

# EGFR Monoclonal Antibody (111.6), Biotin

Catalog NumberMA5-13266

Product data sheet

Details		Species Reactivity	
Size	500 µL	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Published species	Dog, Non-human primate, Sheep, Human, Mouse
Class	Monoclonal		
Type	Antibody	Tested Applications	Dilution *
Clone	111.6	Immunohistochemistry (Paraffin) (IHC (P))	2-4 µg/mL
Immunogen	Extracellular domain of human recombinant EGFR protein	Immunoprecipitation (IP)	2 µg/mL
Conjugate	Biotin	Western Blot (WB)	2-4 µg/mL
Form	Liquid	Published Applications	
Concentration	0.2 mg/mL	Immunocytochemistry (ICC/IF)	See 8 publications below
Purification	Protein G	Immunohistochemistry (IHC)	See 29 publications below
Storage buffer	PBS, pH 7.4, with 0.2% BSA	Neutralization (Neu)	See 1 publications below
Contains	0.09% sodium azide	Flow Cytometry (Flow)	See 3 publications below
Storage Conditions	4° C	Immunoprecipitation (IP)	See 2 publications below
		Western Blot (WB)	See 2 publications below
		Gel Shift (GS)	See 1 publications below

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

## Product specific information

MA5-13266 targets Epidermal Growth Factor Receptor in IHC (P), IP, and WB applications and shows reactivity with Human samples. The MA5-13266 immunogen is extracellular domain of human recombinant EGFR protein.

## Background/Target Information

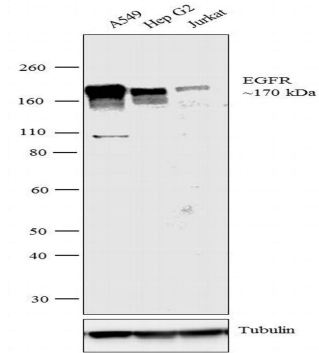
EGFR, epidermal growth factor receptor, is a receptor tyrosine kinases that signals in response to various growth factors. Overexpression has been linked to numerous types of cancer and EGFR is the target of both biological and small molecular therapeutics. EGFR is encoded by the EGFR gene located on chromosome 7 in humans. EGFR belongs to the HER/ERbB family of proteins that includes three other receptor tyrosine kinases, ERbB2, ERbB3, ERbB4. EGFR is a transmembrane receptor and binding of its cognate ligands such as EGF (Epidermal Growth Factor) and TGF alpha (Transforming Growth Factor alpha) to the extracellular domain leads to EGFR dimerization followed by autophosphorylation of the tyrosine residues in the cytoplasmic domain. Overexpression is observed in tumors of the head and neck, brain, bladder, stomach, breast, lung, endometrium, cervix, vulva, ovary, esophagus, stomach and in squamous cell carcinoma.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

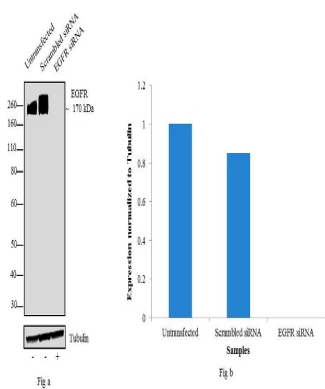
Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.



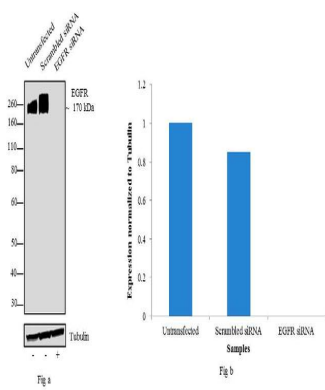
EGFR Antibody (MA5-13266) in WB

Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of A549 (Lane 1), Hep G2 (Lane 2) and Jurkat (Lane 3). The blot was probed with Anti-EGFR Monoclonal Antibody, Biotin (Product # MA5-13266, 1 µg /mL) and detected by chemiluminescence using Poly-HRP Streptavidin (Product# N200, 1:10,000 dilution). A 170 kDa band corresponding to EGFR was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with overnight wet transfer system. The membrane was probed with the relevant primary following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



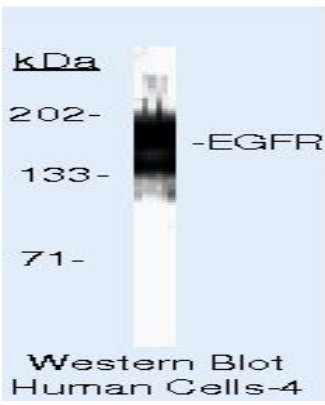
EGFR Antibody (MA5-13266)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A431 cells were transfected with EGFR siRNA and decrease in signal intensity was observed in western blot application using Anti-EGFR Monoclonal Antibody (111.6), Biotin (Product # MA5-13266). {KD}



EGFR Antibody (MA5-13266) in WB

Knockdown of EGFR was achieved by transfecting A431 cells with EGFR specific validated siRNA (Silencer® select Cat # s563, s564 and s565). Western blot analysis (Fig a) was performed using membrane enriched extracts from the EGFR knock down cells (lane 3), non-specific scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blots were probed with Anti-EGFR Monoclonal Antibody (111.6), Biotin (Product# MA5-13266, 1-3 µg /mL) and Poly-HRP Streptavidin (Product# N200, 1:10,000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig b). Loss of signal upon siRNA mediated knock down confirms that antibody is specific to EGFR.



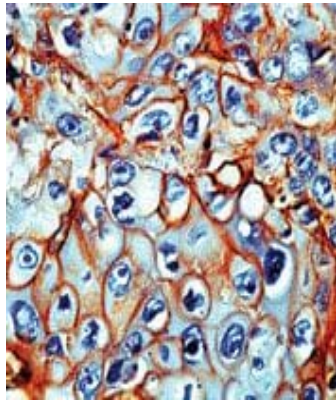
EGFR Antibody (MA5-13266) in WB

Western blot of Epidermal Growth Factor Receptor using Epidermal Growth Factor Receptor Monoclonal Antibody (Product # MA5-13266) on A431 Cells.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

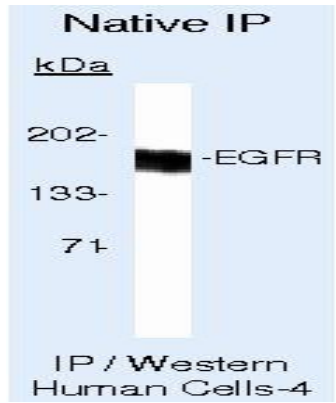
Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.



#### EGFR Antibody (MA5-13266) in IHC (P)

Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma stained with Epidermal Growth Factor Receptor antibody0 using peroxidase-conjugate and AEC chromogen. Note membrane staining of tumor cells.



#### EGFR Antibody (MA5-13266) in IP

Immunoprecipitation of Epidermal Growth Factor Receptor using Epidermal Growth Factor Receptor Monoclonal Antibody (Product # MA5-13266) on Native Human A431 Cells.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.

PubMed References For EGFR Monoclonal Antibody (111.6), Biotin

8 Immunocytochemistry References

Species / Dilution	Summary
	<p>MA5-13266 was used in Immunocytochemistry to show that the detection of CTCs, regardless of the enrichment method, is of prognostic relevance in BCBM patients and in combination with molecular analysis of CTCs can help defining patients with higher risk of early relapse and suitability for targeted treatment.</p>
Human / 1:50	<p>Breast cancer research : BCR ( 2019; 21: )  <b>"Clonality of circulating tumor cells in breast cancer brain metastasis patients."</b>                      Author(s):Riebensahm C,Joosse SA,Mohme M,Hanssen A,Matschke J,Goy Y,Witzel I,Lamszus K,Kropidlowski J,Petersen C,Kolb-Kokocinski A,Sauer S,Borgmann K,Glatzel M,Müller V,Westphal M,Riethdorf S,Pantel K,Wikman H                      PubMed Article URL:<a href="http://dx.doi.org/10.1186/s13058-019-1184-2">http://dx.doi.org/10.1186/s13058-019-1184-2</a></p>
	<p>MA5-13266 was used in immunocytochemistry and immunohistochemistry to study the value of the expression and dimerization patterns of EGFR, HER2 and HER3 in esophageal cancer histotypes for guiding targeted anti-EGFR and -HER2 therapy</p>
Human / Not Cited	<p>International journal of cancer ( 2014; 135: 1517)  <b>"EGFR, HER2 and HER3 dimerization patterns guide targeted inhibition in two histotypes of esophageal cancer."</b>                      Author(s):Fichter CD,Timme S,Braun JA,Gudernatsch V,Schöpflin A,Bogatyreva L,Geddert H,Faller G,Klimstra D,Tang L,Hauschke D,Werner M,Lassmann S                      PubMed Article URL:<a href="http://dx.doi.org/10.1002/ijc.28771">http://dx.doi.org/10.1002/ijc.28771</a></p>
	<p>MA5-13266 was used in immunocytochemistry to report on a case of retroperitoneal cystic papillary carcinoma of likely nephrogenic origin</p>
Human / 1:150	<p>Scandinavian journal of urology and nephrology ( 2001; 35: 147)  <b>"Retroperitoneal cystic papillary carcinoma of probable nephrogenic origin."</b>                      Author(s):Praetorius L,Krogh J,Horn T                      PubMed Article URL:<a href="http://dx.doi.org/10.1080/003655901750170605">http://dx.doi.org/10.1080/003655901750170605</a></p>
	<p>MA5-13266 was used in immunocytochemistry to evaluate quantum dots for early cervical cancer detection</p>
Human / Not Cited	<p>Gynecologic oncology ( 2005; 99: S89)  <b>"Fluorescent nanocrystals for use in early cervical cancer detection."</b>                      Author(s):Nida DL,Rahman MS,Carlson KD,Richards-Kortum R,Follen M                      PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.ygyno.2005.07.050">http://dx.doi.org/10.1016/j.ygyno.2005.07.050</a></p>
	<p>MA5-13266 was used in immunocytochemistry to develop a dual-mode reflectance and fluorescence confocal microscope for imaging tissue samples with high resolution</p>
Human / Not Cited	<p>Journal of microscopy ( 2007; 228: 11)  <b>"Dual-mode reflectance and fluorescence near-video-rate confocal microscope for architectural, morphological and molecular imaging of tissue."</b>                      Author(s):Carlson AL,Coghlan LG,Gillenwater AM,Richards-Kortum RR                      PubMed Article URL:<a href="http://dx.doi.org/10.1111/j.1365-2818.2007.01818.x">http://dx.doi.org/10.1111/j.1365-2818.2007.01818.x</a></p>
	<p>MA5-13266 was used in immunocytochemistry to investigate the influence of PGE1 and misoprostol on epidermal growth factor expression in 3D-cultured human annulus cells</p>
Human / 4 µg/mL	<p>The spine journal : official journal of the North American Spine Society ( 2009; 9: 760)  <b>"Prostaglandin E1 and misoprostol increase epidermal growth factor production in 3D-cultured human annulus cells."</b>                      Author(s):Gruber HE,Hoelscher G,Loeffler B,Chow Y,Ingram JA,Halligan W,Hanley EN                      PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.spinee.2009.04.024">http://dx.doi.org/10.1016/j.spinee.2009.04.024</a></p>
	<p>MA5-13266 was used in immunocytochemistry to investigate the induction of EGFR nuclear translocation by ultraviolet irradiation in human Keratinocytes</p>
Human / Not Cited	<p>Journal of cellular biochemistry ( 2009; 107: 873)  <b>"Ultraviolet irradiation-induces epidermal growth factor receptor (EGFR) nuclear translocation in human keratinocytes."</b>                      Author(s):Xu Y,Shao Y,Zhou J,Voorhees JJ,Fisher GJ                      PubMed Article URL:<a href="http://dx.doi.org/10.1002/jcb.22195">http://dx.doi.org/10.1002/jcb.22195</a></p>
	<p>MA5-13266 was used in immunocytochemistry to study effect of the EGFR-selective inhibitor gefitinib in refractory non-small-cell lung cancer</p>
Human / 1:100	<p>Annals of oncology : official journal of the European Society for Medical Oncology ( 2004; 15: 33)  <b>"Activity of a specific inhibitor, gefitinib (Iressa, ZD1839), of epidermal growth factor receptor in refractory non-small-cell lung cancer."</b>                      Author(s):Santoro A,Cavina R,Latteri F,Zucali PA,Ginanni V,Campagnoli E,Ferrari B,Morengi E,Pedicini V,Roncalli M,Alloisio M,Ravasi G,Soto Parra HJ                      PubMed Article URL:<a href="http://dx.doi.org/10.1093/annonc/mdh010">http://dx.doi.org/10.1093/annonc/mdh010</a></p>

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.

## 29 Immunohistochemistry References

Species / Dilution	Summary
	MA5-13266 was used in immunohistochemistry to evaluate tissue microarray for classification of human breast cancer
Human / 1:50	Romanian journal of morphology and embryology = Revue roumaine de morphologie et embryologie ( 2011; 52: 669) <b>"Identification of different subtypes of breast cancer using tissue microarray."</b> Author(s):Munirah MA,Siti-Aishah MA,Reena MZ,Sharifah NA,Rohaizak M,Norlia A,Rafie MK,Asmiati A,Hisham A,Fuad I,Shahrhun NS,Das S PubMed Article URL: <a href="http://www.ncbi.nlm.nih.gov/pubmed/21655659">http://www.ncbi.nlm.nih.gov/pubmed/21655659</a>
	MA5-13266 was used in immunohistochemistry to examine the role of growth factors in epidermal hyperplasia of psoriasis
Human / Not Cited	Archives of dermatological research ( 2008; 300: 37) <b>"The role of heparin-binding EGF-like growth factor and amphiregulin in the epidermal proliferation of psoriasis in cooperation with TNFalpha."</b> Author(s):Yoshida A,Kanno H,Watabe D,Akasaka T,Sawai T PubMed Article URL: <a href="http://dx.doi.org/10.1007/s00403-007-0809-y">http://dx.doi.org/10.1007/s00403-007-0809-y</a>
	MA5-13266 was used in immunohistochemistry to study the pharmacodynamics of an EGFR tyrosine kinase inhibitor in metastatic colorectal cancer patients
Human / 1:100	Clinical cancer research : an official journal of the American Association for Cancer Research ( 2003; 9: 2457) <b>"A pharmacodynamic study of the epidermal growth factor receptor tyrosine kinase inhibitor ZD1839 in metastatic colorectal cancer patients."</b> Author(s):Daneshmand M,Parolin DA,Hirte HW,Major P,Goss G,Stewart D,Batist G,Miller WH,Matthews S,Seymour L,Lorimer IA PubMed Article URL: <a href="http://www.ncbi.nlm.nih.gov/pubmed/12855618">http://www.ncbi.nlm.nih.gov/pubmed/12855618</a>
	MA5-13266 was used in immunohistochemistry to study the prognostic value of EGFR in head and neck cancers
Human / Not Cited	Tumour biology : the journal of the International Society for Oncodevelopmental Biology and Medicine ( 2014; 35: 2285) <b>"Role of EGFR as a prognostic factor for survival in head and neck cancer: a meta-analysis."</b> Author(s):Keren S,Shoude Z,Lu Z,Beibei Y PubMed Article URL: <a href="http://dx.doi.org/10.1007/s13277-013-1303-0">http://dx.doi.org/10.1007/s13277-013-1303-0</a>
	MA5-13266 was used in immunohistochemistry to study the molecular mechanisms underlying pilus phase variation
Dog / 1:100	PLoS pathogens ( 2014; 10: ) <b>"Single cell stochastic regulation of pilus phase variation by an attenuation-like mechanism."</b> Author(s):Danne C,Dubrac S,Trieu-Cuot P,Dramsì S PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.ppat.1003860">http://dx.doi.org/10.1371/journal.ppat.1003860</a>
	MA5-13266 was used in immunohistochemistry to optimize a manual method for the production of cheap, high quality tissue microarrays
Human / Not Cited	Applied immunohistochemistry & molecular morphology : AIMM ( 2013; 21: 271) <b>"No-cost manual method for preparation of tissue microarrays having high quality comparable to semiautomated methods."</b> Author(s):Foda AA PubMed Article URL: <a href="http://dx.doi.org/10.1097/PAI.0b013e318268a93f">http://dx.doi.org/10.1097/PAI.0b013e318268a93f</a>
	MA5-13266 was used in immunohistochemistry and western blot to study the role of EGF receptor signaling in postnatal beta-cell growth in pancreatic islets
Mouse / Not Cited	Diabetes ( 2006; 55: 3299) <b>"Downregulation of EGF receptor signaling in pancreatic islets causes diabetes due to impaired postnatal beta-cell growth."</b> Author(s):Miettinen PJ,Ustinov J,Ormio P,Gao R,Palgi J,Hakonen E,Juntti-Berggren L,Berggren PO,Otonkoski T PubMed Article URL: <a href="http://dx.doi.org/10.2337/db06-0413">http://dx.doi.org/10.2337/db06-0413</a>
	MA5-13266 was used in immunohistochemistry to study the immunohistochemical expression of Cox-2 before and after chemoradiation therapy of rectal cancer
Human / 1 µg/mL	American journal of clinical oncology ( 2005; 28: 560) <b>"Cyclooxygenase-2 (COX-2) levels before and after chemotherapy: a study in rectal cancer."</b> Author(s):Watwe V,Javle M,Lawrence D,Groth J,Iyer R,El-Hajjar D,Geradts J PubMed Article URL: <a href="http://dx.doi.org/10.1097/01.coc.0000182476.34375.17">http://dx.doi.org/10.1097/01.coc.0000182476.34375.17</a>
	MA5-13266 was used in immunohistochemistry to investigate the expression of transforming growth factor alpha and its receptor in ovine preimplantation embryos
Sheep / Not Cited	Animal reproduction science ( 2008; 104: 370) <b>"TGFalpha and EGFR in ovine preimplantation embryos and effects on development."</b> Author(s):Zhou P,Liu DJ,Cang M,Ma YZ,Yang DS,Li HJ,Wang LM,Bou S,Feng HL PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.anireprosci.2007.02.024">http://dx.doi.org/10.1016/j.anireprosci.2007.02.024</a>

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.



	MA5-13266 was used in immunohistochemistry to investigate the expression of epidermal growth factor receptor in cervical cancer
Human / Not Cited	Annals of oncology : official journal of the European Society for Medical Oncology ( 2011; 22: 2166) <b>"Epidermal growth factor receptor as a biomarker for cervical cancer."</b> Author(s):Soonthornthum T,Arias-Pulido H,Joste N,Lomo L,Muller C,Rutledge T,Verschraegen C PubMed Article URL: <a href="http://dx.doi.org/10.1093/annonc/mdq723">http://dx.doi.org/10.1093/annonc/mdq723</a>
	MA5-13266 was used in immunohistochemistry to investigate an aCGH classifier for BRCA1 loss in breast cancer
Human / 1:200	Annals of oncology : official journal of the European Society for Medical Oncology ( 2011; 22: 1561) <b>"An aCGH classifier derived from BRCA1-mutated breast cancer and benefit of high-dose platinum-based chemotherapy in HER2-negative breast cancer patients."</b> Author(s):Vollebergh MA,Lips EH,Nederlof PM,Wessels LFA,Schmidt MK,van Beers EH,Cornelissen S,Holtkamp M,Froklage FE,de Vries EGE,Schrama JG,Wesseling J,van de Vijver MJ,van Tinteren H,de Bruin M,Hauptmann M,Rodenhuis S,Linn SC PubMed Article URL: <a href="http://dx.doi.org/10.1093/annonc/mdq624">http://dx.doi.org/10.1093/annonc/mdq624</a>
	MA5-13266 was used in immunohistochemistry to evaluate the use of tissue array technology to analyse archived head and neck cancer tissue samples
Human / 1:400	Head & neck ( 2003; 25: 922) <b>"Validation of tissue array technology in head and neck squamous cell carcinoma."</b> Author(s):Chen B,van den Brekel MW,Buschers W,Balm AJ,van Velthuysen ML PubMed Article URL: <a href="http://dx.doi.org/10.1002/hed.10308">http://dx.doi.org/10.1002/hed.10308</a>
	MA5-13266 was used in immunohistochemistry to study the transdifferentiation of glioblastoma cells into vascular endothelial cells and the mechanism of resistance to anti-VEGF therapy.
Human / Not Cited	Proceedings of the National Academy of Sciences of the United States of America ( 2011; 108: 4274) <b>"Transdifferentiation of glioblastoma cells into vascular endothelial cells."</b> Author(s):Soda Y,Marumoto T,Friedmann-Morvinski D,Soda M,Liu F,Michiue H,Pastorino S,Yang M,Hoffman RM,Kesari S,Verma IM PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.1016030108">http://dx.doi.org/10.1073/pnas.1016030108</a>
	MA5-13266 was used in immunohistochemistry to examine the prognostic value of EGFR and VEGF expression for colon cancer
Human / Not Cited	European surgical research. Europäische chirurgische Forschung. Recherches chirurgicales europeennes ( 2006; 38: 540) <b>"Does the EGFR and VEGF expression predict the prognosis in colon cancer?"</b> Author(s):Doger FK,Meteoglu I,Tuncyurek P,Okay P,Cevikel H PubMed Article URL: <a href="http://dx.doi.org/10.1159/000096774">http://dx.doi.org/10.1159/000096774</a>
	MA5-13266 was used in immunohistochemistry to study triple negative breast carcinoma histopathology and gene expression patterns in order to define clinically significant sub-groups
Human / 1:100	Breast cancer research : BCR ( 2008; 9: ) <b>"Gene expression profiling and histopathological characterization of triple-negative/basal-like breast carcinomas."</b> Author(s):Kreike B,van Kouwenhove M,Horlings H,Weigelt B,Peterse H,Bartelink H,van de Vijver MJ PubMed Article URL: <a href="http://dx.doi.org/10.1186/bcr1771">http://dx.doi.org/10.1186/bcr1771</a>
	MA5-13266 was used in immunohistochemistry to study the prognostic value of survivin in patients with basaloid triplet-negative breast cancer
Human / Not Cited	Medical oncology (Northwood, London, England) ( 2010; 27: 34) <b>"Triple-negative breast cancer: immunohistochemical correlation with basaloid markers and prognostic value of survivin."</b> Author(s):Dogu GG,Ozkan M,Ozturk F,Dikilitas M,Er O,Ozturk A PubMed Article URL: <a href="http://dx.doi.org/10.1007/s12032-009-9166-3">http://dx.doi.org/10.1007/s12032-009-9166-3</a>
	MA513266 was used in immunohistochemistry to perform Raman-encoded molecular imaging with five nanoparticle flavors
Human / Not Cited	PloS one ( 2019; 11: ) <b>"Multiplexed Molecular Imaging of Biomarker-Targeted SERS Nanoparticles on Fresh Tissue Specimens with Channel-Compressed Spectrometry."</b> Author(s):Kang S,Wang Y,Reder NP,Liu JT PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0163473">http://dx.doi.org/10.1371/journal.pone.0163473</a>

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.

	<p>MA5-13266 was used in immunohistochemistry to study molecular subtypes of breast cancer and amplification of topoisomerase II alpha</p>
Human / 1:100	<p>British journal of cancer ( 2006; 95: 1334)  <b>"Molecular subtypes of breast cancer and amplification of topoisomerase II alpha: predictive role in dose intensive adjuvant chemotherapy."</b>            Author(s):Hannemann J,Kristel P,van Tinteren H,Bontenbal M,van Hoesel QG,Smit WM,Nooij MA,Voest EE,van der Wall E,Hupperets P,de Vries EG,Rodenhuis S,van de Vijver MJ            PubMed Article URL:<a href="http://dx.doi.org/10.1038/sj.bjc.6603449">http://dx.doi.org/10.1038/sj.bjc.6603449</a></p>
	<p>MA5-13266 was used in immunohistochemistry to report a clinical case of basaloid adenocarcinoma</p>
Human / 1:50	<p>Virchows Archiv : an international journal of pathology ( 2007; 451: 729)  <b>"Basaloid adenocarcinoma. A new variant of pulmonary adenocarcinoma."</b>            Author(s):Marci V,Volante M,Cappia S,Righi L,Novello C,Scagliotti GV,Brambilla E,Papotti M            PubMed Article URL:<a href="http://dx.doi.org/10.1007/s00428-007-0458-8">http://dx.doi.org/10.1007/s00428-007-0458-8</a></p>
	<p>MA5-13266 was used in immunohistochemistry to investigate the performance of four different anti-EGFR antibodies in immunohistochemical study of non-small cell lung cancer</p>
Human / 1:25	<p>Lung cancer (Amsterdam, Netherlands) ( 2010; 69: 46)  <b>"Comparison of four antibodies for immunohistochemical evaluation of epidermal growth factor receptor expression in non-small cell lung cancer."</b>            Author(s):Mathieu A,Weynand B,Verbeken E,Da Silva S,Decaestecker C,Salmon I,Demetter P            PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.lungcan.2009.09.003">http://dx.doi.org/10.1016/j.lungcan.2009.09.003</a></p>
	<p>MA5-13266 was used in immunohistochemistry to study the progression of non-small cell lung cancer and the lack of correlation with the expression of integrins and their ligands</p>
Human / 1:100	<p>Virchows Archiv : an international journal of pathology ( 2014; 464: 69)  <b>"Integrins and their ligands are expressed in non-small cell lung cancer but not correlated with parameters of disease progression."</b>            Author(s):Böger C,Kalthoff H,Goodman SL,Behrens HM,Röcken C            PubMed Article URL:<a href="http://dx.doi.org/10.1007/s00428-013-1506-1">http://dx.doi.org/10.1007/s00428-013-1506-1</a></p>
	<p>MA5-13266 was used in immunohistochemistry to investigate the effect of erlotinib on the expression of epidermal growth factor receptor and other signaling components</p>
Human / 1:500	<p>Journal of the National Cancer Institute ( 2005; 97: 880)  <b>"Epidermal growth factor receptor, protein kinase B/Akt, and glioma response to erlotinib."</b>            Author(s):Haas-Kogan DA,Prados MD,Tihan T,Eberhard DA,Jelluma N,Arvold ND,Baumber R,Lamborn KR,Kapadia A, Malec M,Berger MS,Stokoe D            PubMed Article URL:<a href="http://dx.doi.org/10.1093/jnci/dji161">http://dx.doi.org/10.1093/jnci/dji161</a></p>
	<p>MA5-13266 was used in immunohistochemistry to investigate VEGF and EGFR in vaginal squamous cell cancer</p>
Human / 1:100	<p>American journal of obstetrics and gynecology ( 2011; 204: 171.e1)  <b>"Expression of epidermal growth factor receptor and vascular endothelial growth factor in vaginal squamous cell cancer."</b>            Author(s):Brunner A,Grimm C,Polterauer S,Hefler L,Stani J,Dudek G,Horvat R            PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.ajog.2010.09.031">http://dx.doi.org/10.1016/j.ajog.2010.09.031</a></p>
	<p>MA5-13266 was used in immunohistochemistry to investigate the distribution of specific proteins in giant meningiomas associated with pregnancy</p>
Human / Not Cited	<p>Surgical neurology ( 2008; 69: 356)  <b>"Sex steroid and epidermal growth factor profile of giant meningiomas associated with pregnancy."</b>            Author(s):Hatiboglu MA,Cosar M,Iplikcioglu AC,Ozcan D            PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.surneu.2007.03.013">http://dx.doi.org/10.1016/j.surneu.2007.03.013</a></p>
	<p>MA5-13266 was used in immunohistochemistry to examine canine gastric epithelial tumors for the expression of EGFR, HER-2 and KRAS in order to determine whether dog is a suitable model of the corresponding human cancer</p>
Human / Not Cited	<p>PloS one ( 2014; 9: )  <b>"EGFR, HER-2 and KRAS in canine gastric epithelial tumors: a potential human model?"</b>            Author(s):Terragni R,Casadei Gardini A,Sabattini S,Bettini G,Amadori D,Talamonti C,Vignoli M,Capelli L,Saunders JH, Ricci M,Ulivi P            PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0085388">http://dx.doi.org/10.1371/journal.pone.0085388</a></p>
	<p>MA5-13266 was used in immunohistochemistry to study the expression EGF receptor, TGF alpha and S6 kinase as predictors of metastasis in colorectal cancer</p>
Human / 1:50	<p>Virchows Archiv : an international journal of pathology ( 2007; 450: 321)  <b>"Co-expression of EGF receptor, TGFalpha and S6 kinase is significantly associated with colorectal carcinomas with distant metastases at diagnosis."</b>            Author(s):Tampellini M,Longo M,Cappia S,Bacillo E,Alabiso I,Volante M,Dogliotti L,Papotti M            PubMed Article URL:<a href="http://dx.doi.org/10.1007/s00428-007-0370-2">http://dx.doi.org/10.1007/s00428-007-0370-2</a></p>

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.

	MA5-13266 was used in immunohistochemistry to develop a novel targeted fluorescent contrast agent for EGFR expression in oral neoplasia
Human / 1:10	International journal of cancer ( 2006; 118: 3062) <b>"Real-time detection of epidermal growth factor receptor expression in fresh oral cavity biopsies using a molecular-specific contrast agent."</b> Author(s):Hsu ER,Gillenwater AM,Hasan MQ,Williams MD,El-Naggar AK,Richards-Kortum RR PubMed Article URL: <a href="http://dx.doi.org/10.1002/ijc.21720">http://dx.doi.org/10.1002/ijc.21720</a>
	MA5-13266 was used in immunohistochemistry to study the expression and immunolocalization of HB-EGF-like growth factor and EGFR in human corpus luteum
Human / 1:100	Human reproduction (Oxford, England) ( 2005; 20: 2708) <b>"Gene expression and immunolocalization of heparin-binding epidermal growth factor-like growth factor and human epidermal growth factor receptors in human corpus luteum."</b> Author(s):Akayama Y,Takekida S,Ohara N,Tateiwa H,Chen W,Nakabayashi K,Maruo T PubMed Article URL: <a href="http://dx.doi.org/10.1093/humrep/dei162">http://dx.doi.org/10.1093/humrep/dei162</a>
	MA5-13266 was used in immunohistochemistry to study the inability of immunohistochemistry to predict clinical outcome in endometrial cancer
Human / 1:400	International journal of gynecological cancer : official journal of the International Gynecological Cancer Society ( 2004; 14: 145) <b>"Inability of immunohistochemistry to predict clinical outcomes of endometrial cancer patients."</b> Author(s):Gossett DR,Alo P,Bristow RE,Galati M,Kyshtoobayeva A,Fruehauf J,Montz FJ PubMed Article URL: <a href="http://dx.doi.org/10.1111/j.1048-891x.2004.014028.x">http://dx.doi.org/10.1111/j.1048-891x.2004.014028.x</a>
<b>1 Neutralization References</b>	
<b>Species / Dilution</b>	<b>Summary</b>
	MA5-13266 was used in blocking or activating experiment to develop a bead-based sandwich immunoassay for the profiling of receptor tyrosine kinase inhibitors
Human / 1 mg/ml	Methods in molecular biology (Clifton, N.J.) ( 2012; 795: 191) <b>"Receptor tyrosine kinase inhibitor profiling using bead-based multiplex sandwich immunoassays."</b> Author(s):Pötz O,Schneiderhan-Marra N,Henzler T,Herget T,Joos TO PubMed Article URL: <a href="http://dx.doi.org/10.1007/978-1-61779-337-0_13">http://dx.doi.org/10.1007/978-1-61779-337-0_13</a>
<b>3 Flow Cytometry References</b>	
<b>Species / Dilution</b>	<b>Summary</b>
	MA5-13266 was used in flow cytometry to review high throughput methods for profiling the activation of signalling molecules.
Human / Not Cited	Methods in molecular biology (Clifton, N.J.) ( 2010; 661: 125) <b>"MAP Kinase activation by receptor tyrosine kinases: in control of cell migration."</b> Author(s):Tarcic G,Yarden Y PubMed Article URL: <a href="http://dx.doi.org/10.1007/978-1-60761-795-2_7">http://dx.doi.org/10.1007/978-1-60761-795-2_7</a>
	MA5-13266 was used in flow cytometry to study the use of yeast surface display for identifying stable folded protein domains and characterizing antibody binding epitopes
Human / Not Cited	Journal of immunological methods ( 2004; 287: 147) <b>"Domain-level antibody epitope mapping through yeast surface display of epidermal growth factor receptor fragments."</b> Author(s):Cochran JR,Kim YS,Olsen MJ,Bhandari R,Wittrup KD PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.jim.2004.01.024">http://dx.doi.org/10.1016/j.jim.2004.01.024</a>
	MA5-13266 was used in flow cytometry to study the receptor tyrosine kinase activation by through antibody microarrays
Human / Not Cited	Proceedings of the National Academy of Sciences of the United States of America ( 2003; 100: 9330) <b>"Profiling receptor tyrosine kinase activation by using Ab microarrays."</b> Author(s):Nielsen UB,Cardone MH,Sinskey AJ,MacBeath G,Sorger PK PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.1633513100">http://dx.doi.org/10.1073/pnas.1633513100</a>
<b>2 Immunoprecipitation References</b>	
<b>Species / Dilution</b>	<b>Summary</b>
	MA5-13266 was used in immunoprecipitation to develop a novel system for capture and isolation of biomedically important proteins
Human / Not Cited	Lab on a chip ( 2008; 8: 1357) <b>"Engineering of PDMS surfaces for use in microsystems for capture and isolation of complex and biomedically important proteins: epidermal growth factor receptor as a model system."</b> Author(s):Lowe AM,Ozer BH,Wiepz GJ,Bertics PJ,Abbott NL PubMed Article URL: <a href="http://dx.doi.org/10.1039/b801935e">http://dx.doi.org/10.1039/b801935e</a>

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.



	MA5-13266 was used in immunoprecipitation to develop a liquid crystal surface for analysing membrane proteins in cell lysates and membrane extracts
Human / Not Cited	Journal of the American Chemical Society ( 2005; 127: 8912) <b>"Using liquid crystals to report membrane proteins captured by affinity microcontact printing from cell lysates and membrane extracts."</b> Author(s):Jang CH,Tingey ML,Korpi NL,Wiepz GJ,Schiller JH,Bertics PJ,Abbott NL PubMed Article URL: <a href="http://dx.doi.org/10.1021/ja051079g">http://dx.doi.org/10.1021/ja051079g</a>
<b>2 Western Blot References</b>	
<b>Species / Dilution</b>	<b>Summary</b>
	MA5-13266 was used in western blot to study a co-purifying contaminant of geldanamycin preparations as the component inhibiting intracellular trafficking
Non-human primate / 1:1000	The Journal of biological chemistry ( 2004; 279: 6847) <b>"Geldanamycin-associated inhibition of intracellular trafficking is attributed to a co-purified activity."</b> Author(s):Barzilay E,Ben-Califa N,Supino-Rosin L,Kashman Y,Hirschberg K,Elazar Z,Neumann D PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M312799200">http://dx.doi.org/10.1074/jbc.M312799200</a>
Human / Not Cited	MA5-13266 was used in western blot to develop an acridium-linked immunosorbent assay for measuring soluble ErbB1 in human serum  Journal of immunological methods ( 1998; 219: 23) <b>"A sandwich type acridinium-linked immunosorbent assay (ALISA) detects soluble ErbB1 (sErbB1) in normal human sera."</b> Author(s):Baron AT,Lafky JM,Connolly DC,Peoples J,O'Kane DJ,Suman VJ,Boardman CH,Podratz KC,Maihle NJ PubMed Article URL: <a href="http://dx.doi.org/10.1016/s0022-1759(98)00129-x">http://dx.doi.org/10.1016/s0022-1759(98)00129-x</a>
<b>1 Gel Shift References</b>	
<b>Species / Dilution</b>	<b>Summary</b>
	MA5-13266 was used in EMSA to investigate the nucleophilic reactivity of natural antibodies
Human / 0.5 uM	The Journal of biological chemistry ( 2003; 278: 20436) <b>"Broadly distributed chemical reactivity of natural antibodies expressed in coordination with specific antigen binding activity."</b> Author(s):Planque S,Taguchi H,Burr G,Bhatia G,Karle S,Zhou YX,Nishiyama Y,Paul S PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M301468200">http://dx.doi.org/10.1074/jbc.M301468200</a>

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.