

EGFR Monoclonal Antibody (528)

Product Details	
Size	500 µL
Species Reactivity	Dog, Human
Published Species	Rat, Non-human primate, Human, Mouse
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	528
Conjugate	Unconjugated
Immunogen	Purified EGFR from A431 cells
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10978829

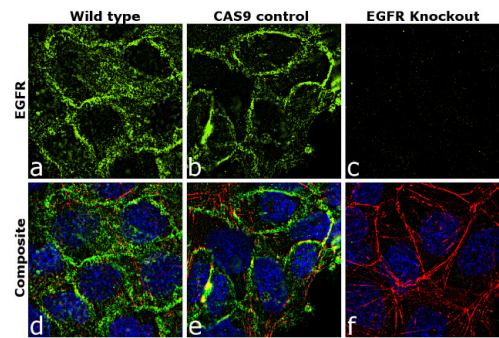
Applications	Tested Dilution	Publications
Western Blot (WB)	-	7 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:400	-
Immunocytochemistry (ICC/IF)	5 µg/mL	3 Publications
Flow Cytometry (Flow)	-	8 Publications
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	Assay-dependent	17 Publications
ChIP assay (ChIP)	-	1 Publication
Neutralization (Neu)	-	2 Publications

Product Specific Information

MA5-12875 targets Epidermal Growth Factor Receptor in FACS, IHC and IP applications and shows reactivity with Canine and Human samples.

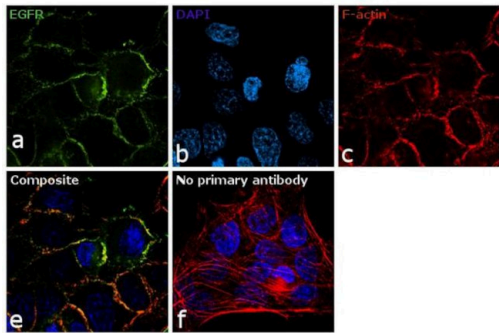
The MA5-12875 immunogen is purified EGFR from A431 cells.

Product Images For EGFR Monoclonal Antibody (528)



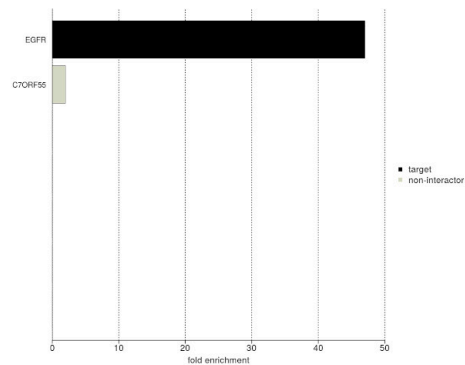
EGFR Antibody (MA5-12875)

Altered expression of target protein upon Knockout demonstrates antibody specificity. Immunofluorescence analysis of EGFR using Anti-EGFR Mouse monoclonal Antibody (Product # MA5-12875) shows no expression in A-431 EGFR knockout cells. {KO}



EGFR Antibody (MA5-12875) in ICC/IF

Immunofluorescence analysis of EGFR was performed using 90% confluent log phase A-431 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with EGFR Mouse monoclonal antibody (Product # MA5-12875) at 5 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing membranous localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



EGFR Antibody (MA5-12875)

IP-MS enrichment of EGFR (LFQ intensity): EGFR was enriched 47-fold from A549 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and EGFR antibody (Product # MA5-12875). The STRING database (www.string-db.org) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. {IP-MS}

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Western Blot (7)

<p>Journal of the National Cancer Institute</p> <p>Targeting a Cancer-Specific Epitope of the Epidermal Growth Factor Receptor in Triple-Negative Breast Cancer.</p> <p>"Published figure using EGFR monoclonal antibody (Product # MA5-12875) in Western Blot"</p> <p>Authors: Simon N,Antignani A,Sarnovsky R,Hewitt SM,FitzGerald D</p>	<p>Year 2016</p> <p>Species Human</p> <p>Dilution 1:10,000</p>
<p>Oncogene</p> <p>Surfactant protein D suppresses lung cancer progression by downregulation of epidermal growth factor signaling.</p> <p>"MA5-12875 was used in immunoprecipitation and western blot to study the role of impaired EGF binding to EGFR in the mechanism by which surfactant protein D inhibits the progression of lung cancer"</p> <p>Authors: Hasegawa Y,Takahashi M,Ariki S,Asakawa D,Tajiri M,Wada Y,Yamaguchi Y,Nishitani C,Takamiya R,Saito A,Uehara Y,Hashimoto J,Kurimura Y,Takahashi H,Kuroki Y</p>	<p>Year 2015</p> <p>Species Human</p>

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Immunohistochemistry (1)

<p>Journal of cellular physiology</p> <p>Potential localization of putative stem/progenitor cells in human bulbar conjunctival epithelium.</p> <p>"MA5-12875 was used in immunohistochemistry to study the expression pattern of stem cells in the bulbar conjunctival epithelium"</p> <p>Authors: Qi H,Zheng X,Yuan X,Pflugfelder SC,Li DQ</p>	<p>Year 2010</p> <p>Species Human</p>
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Immunocytochemistry (3)

<p>PloS one</p> <p>Internalization mechanisms of the epidermal growth factor receptor after activation with different ligands.</p> <p>"MA5-12875 was used in immunocytochemistry to study internalization of the EGFR following activation by various ligands and the different mechanisms involved"</p> <p>Authors: Henriksen L,Grandal MV,Knudsen SL,van Deurs B,Grøvdal LM</p>	<p>Year 2013</p> <p>Species Human</p>
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- Flow (8)
- ELISA (1)
- IP (17)
- ChIP (1)
- Neu (2)

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