

EGFR Monoclonal Antibody (EGFR.1)

Product Details	
Size	500 µL
Species	Horse, Human
Published Species	Human
Expression System	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	EGFR.1
Conjugate	Unconjugated
Immunogen	A431 human epidermoid 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_10982394

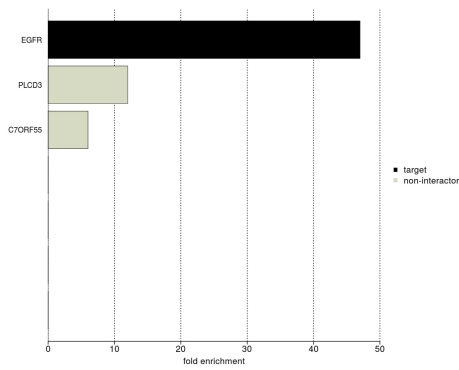
Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay Dependent	4 Publications
Immunocytochemistry (ICC)	5 µg/mL	9 Publications
Immunofluorescence (IF)	Assay Dependent	-
Immunohistochemistry (Frozen) (IHC (F))	Assay Dependent	-
Immunoprecipitation (IP)	2 µg/mL	1 Publication
Immunohistochemistry (IHC)	-	6 Publications
Neutralization (Neu)	-	2 Publications

Product Specific Information

MA5-13048 targets Epidermal Growth Factor Receptor in FACS, IF, IHC (F), and IP applications and shows reactivity with Equine and Human samples.

The MA5-13048 immunogen is a431 human epidermoid cells.

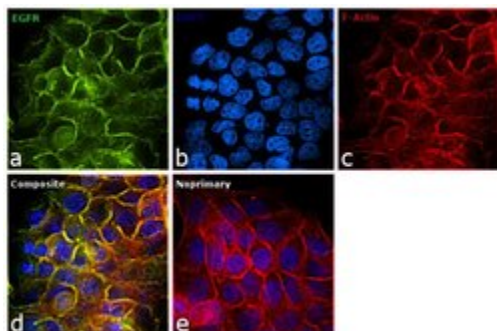
Advanced Verification Data



EGFR Antibody (MA5-13048)

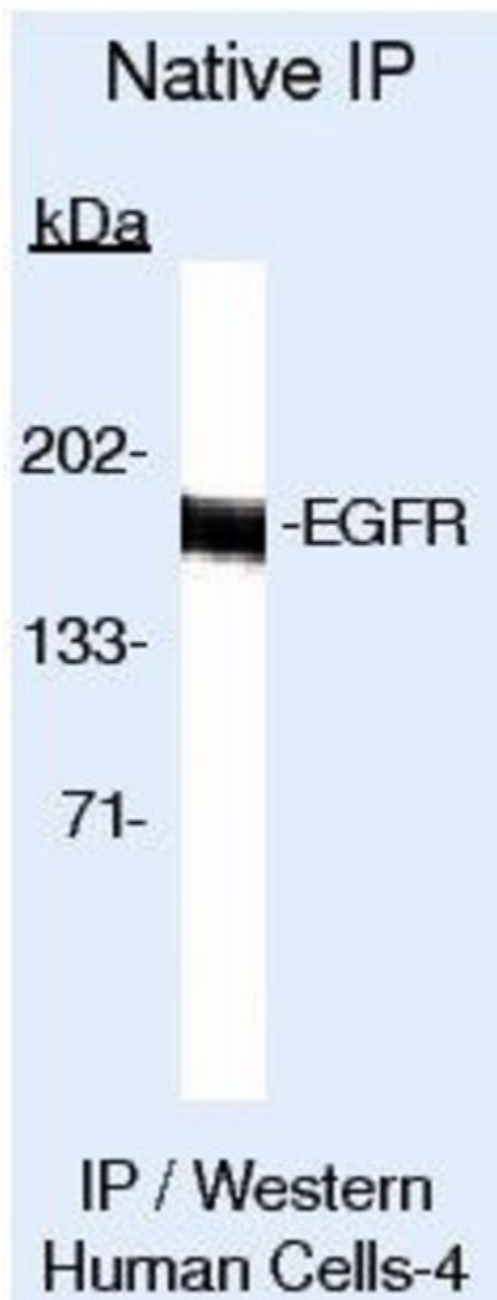
IP-MS enrichment of EGFR (LFQ intensity): EGFR was enriched 47-fold from A549 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and EGFR antibody (Product # MA5-13048). The STRING database (www.string-db.org) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. IP-MS validation info.

Product Images For EGFR Monoclonal Antibody (EGFR.1)



EGFR Antibody (MA5-13048) in 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 Mouse Monoclonal Antibody (Product # MA5-13048) at a concentration of 5 µg/mL in 0.1% BSA and incubated overnight at 4 degree 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 membrane localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



EGFR Antibody (MA5-13048) in IP

Immunoprecipitation of Epidermal Growth Factor Receptor using Epidermal Growth Factor Receptor Monoclonal Antibody (Product # MA5-13048) on Native Human A431 Cells.

22 References

Immunocytochemistry (9)

Nature communications

Deep and high-resolution three-dimensional tracking of single particles using nonlinear and multiplexed illumination.

"MA5-13048 was used in immunocytochemistry to use nonlinear and multiplexed illumination to get high-resolution and deep three-dimensional tracking of single particles"

Authors: Perillo EP,Liu YL,Huynh K,Liu C,Chou CK,Hung MC,Yeh HC,Dunn AK

Species
Not Applicable

Dilution
Not Cited

Year
2015

Scientific reports

High levels of reactive oxygen species in gold nanoparticle-targeted cancer cells following femtosecond pulse irradiation.

"MA5-13048 was used in immunocytochemistry to use gold nanoparticles and ultrashort pulses to kill cancer cells"

Authors: Minai L,Yeheskely-Hayon D,Yelin D

Species
Not Applicable

Dilution
Not Cited

Year
2013

[View more ICC references on thermofisher.com](#)

Immunohistochemistry (6)

Fetal and pediatric pathology

Clinicopathological and extensive immunohistochemical study of a type II pleuropulmonary blastoma.

"MA5-13048 was used in immunohistochemistry to describe histological features of a tumor from a patient with pleuropulmonary blastoma"

Authors: Yu L,Cheng H,Yang SJ

Species
Human

Dilution
Not Cited

Year
2014

Cancer

Molecular classification system identifies invasive breast carcinoma patients who are most likely and those who are least likely to achieve a complete pathologic response after neoadjuvant chemotherapy.

"MA5-13048 was used in immunohistochemistry to investigate the sub-classification invasive breast carcinoma patients and its prognostic significance"

Authors: Goldstein NS,Decker D,Severson D,Schell S,Vicini F,Margolis J,Dekhne NS

Species
Human

Dilution
1:25

Year
2007

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