EGFR Monoclonal Antibody (EGFR.1)

Product Details	
Size	500 µL
Species Reactivity	Horse, Human
Published Species	Human
Host/Isotype	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

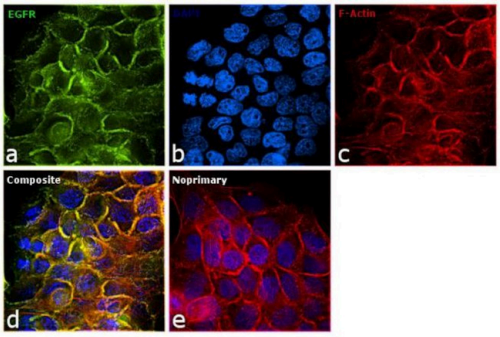
Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	6 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	5 µg/mL	9 Publications
Flow Cytometry (Flow)	Assay-dependent	4 Publications
Immunoprecipitation (IP)	2 µg/mL	1 Publication
Neutralization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

Product Specific Information

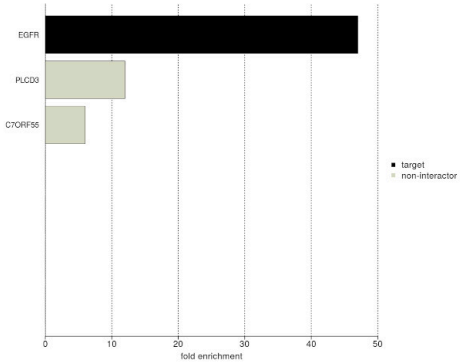
MA5-13048 targets Epidermal Growth Factor Receptor in FACS, IF, IHC (F), and IP applications and shows reactivity with Equine and Human samples.

The MA5-13048 immunogen is a431 human epidermoid cells.

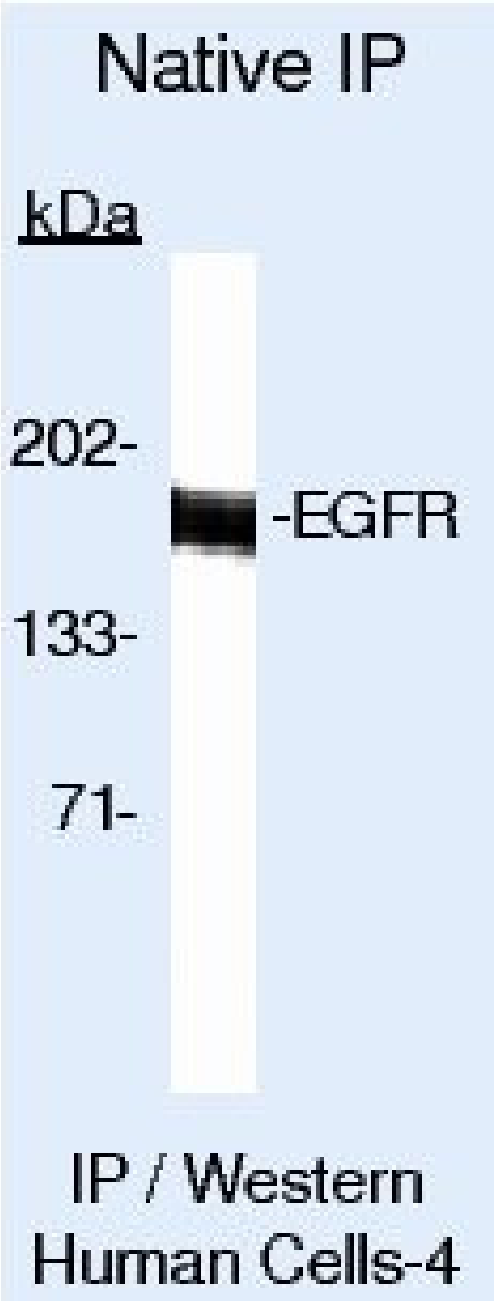
Product Images For EGFR Monoclonal Antibody (EGFR.1)



EGFR Antibody (MA5-13048) 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 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)
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}



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

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

Year 2014

Species Human

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

Year 2007

Species Human

Dilution 1:25

View more IHC references on thermofisher.com

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

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

Year 2013

View more ICC/IF references on thermofisher.com

More applications with references on thermofisher.com

Flow (4) **IP (1)** **Neu (2)**