

EGFR Monoclonal Antibody (199.12)

Product Details

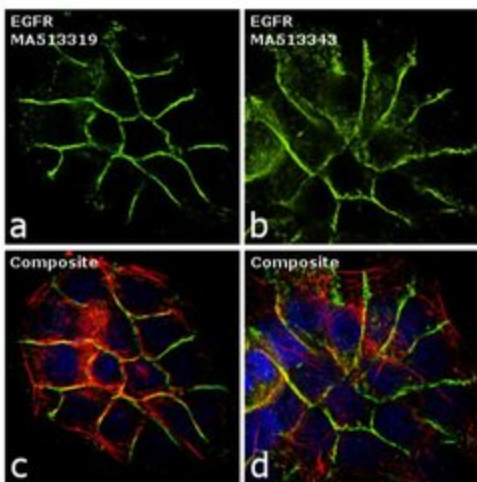
Size	500 µL
Species Reactivity	Human
Published Species	Rat, Non-human primate, Human, Mouse
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	199.12
Conjugate	Unconjugated
Immunogen	Extracellular domain of human recombinant EGFR protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10985841

Applications	Tested Dilution	Publications
Western Blot (WB)	2-4 µg/mL	9 Publications
Immunocytochemistry (ICC/IF)	5 µg/mL	9 Publications
Flow Cytometry (Flow)	-	3 Publications
ELISA (ELISA)	-	2 Publications
Immunoprecipitation (IP)	2 µg/mL	18 Publications
ChIP assay (ChIP)	-	1 Publication
Neutralization (Neu)	-	2 Publications
Blocking Assay (BLOCK)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

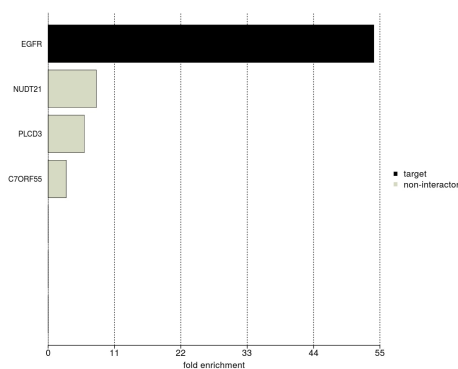
MA5-13319 targets Epidermal Growth Factor Receptor in IP, ICC/IF and WB applications and shows reactivity with Human samples.

The MA5-13319 immunogen is extracellular domain of human recombinant EGFR protein.



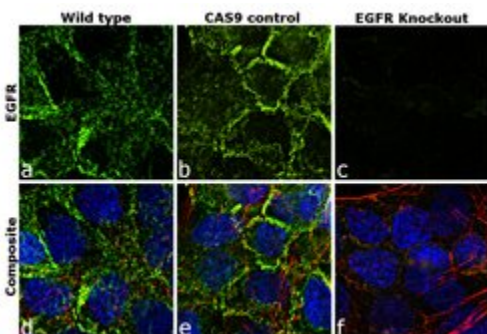
EGFR Antibody (MA5-13319)

Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Immunofluorescence of EGFR using EGFR Antibody (199.12), Mouse Monoclonal (Product # MA5-13319) performed along with another EGFR antibody (Product # MA5-13343) shows similar pattern of EGFR expression in A-431 cells. Independent antibody validation info.



EGFR Antibody (MA5-13319)

IP-MS enrichment of EGFR (LFQ intensity): EGFR was enriched 54-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 # MA5-13319). 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.



EGFR Antibody (MA5-13319)

Altered expression of target protein upon Knockout demonstrates antibody specificity. Immunofluorescence analysis of EGFR using Anti-EGFR Mouse monoclonal Antibody (Product # MA5-13319) shows no expression in A-431 EGFR knockout cells. Knockout validation info.

View more figures on thermofisher.com

Western Blot (9)

Oncogene

Surfactant protein D suppresses lung cancer progression by downregulation of epidermal growth factor signaling.

"MA5-13319 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"

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

Species
Human

Dilution
Not Cited

Year
2015

Lab on a chip

High speed digital protein interaction analysis using microfluidic single molecule detection system.

"MA5-13319 was used in western blot to study the use of a microfluidic single molecule detection system for the rapid analysis of protein interactions"

Authors: Chou CK, Jing N, Yamaguchi H, Tsou PH, Lee HH, Chen CT, Wang YN, Hong S, Su C, Kameoka J, Hung MC

Species
Human

Dilution
Not Cited

Year
2010

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

Immunocytochemistry (9)

Cell systems

Maximum Entropy Framework for Predictive Inference of Cell Population Heterogeneity and Responses in Signaling Networks.

"MA5-13319 was used in Immunocytochemistry-immunofluorescence to discuss how MERIDIAN can be extended to accommodate various experimental measurements."

Authors: Dixit PD, Lyashenko E, Niepel M, Vitkup D

Species
Human

Dilution
1:100

Year
2020

eLife

Receptor-based mechanism of relative sensing and cell memory in mammalian signaling networks.

"Published figure using EGFR monoclonal antibody (Product # MA5-13319) in Immunocytochemistry"

Authors: Lyashenko E, Niepel M, Dixit PD, Lim SK, Sorger PK, Vitkup D

Species
Not Applicable

Dilution
Not Cited

Year
2020

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

More applications with references on thermofisher.com

Flow (3)

ELISA (2)

IP (18)

ChIP (1)

Neu (2)

BLOCK (1)

Misc (1)

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