

IGF1R alpha Monoclonal Antibody (24-31), Biotin

Product Details	
Size	500 µL
Species	Human
Published Species	Human
Expression System	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	24-31
Conjugate	Biotin
Immunogen	IGF-1R/3T3 mouse fibroblasts transfected with human type I IGF-receptor cDNA
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10981576

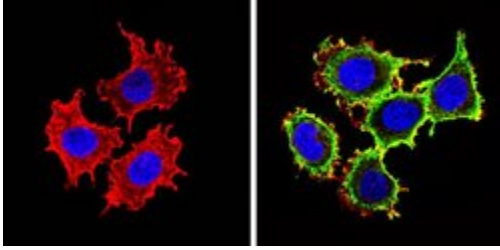
Applications	Tested Dilution	Publications
ELISA (ELISA)	Assay Dependent	-
Immunocytochemistry (ICC)	1:10-1:100	1 Publication
Immunofluorescence (IF)	1:10-1:100	-
Immunohistochemistry (Paraffin) (IHC (P))	Assay Dependent	-
Immunoprecipitation (IP)	2 µg/mL	1 Publication
ChIP assay (ChIP)	-	1 Publication
Immunohistochemistry (IHC)	-	18 Publications

Product Specific Information

MA5-13799 targets IGF-1 Receptor alpha in ELISA, ICC/IF, IHC (P) and immunoprecipitation applications and shows reactivity with Human samples.

The MA5-13799 immunogen is iGF-1R/3T3 mouse fibroblasts transfected with human type I IGF-receptor cDNA.

Product Images For IGF1R alpha Monoclonal Antibody (24-31), Biotin



IGF1R alpha Antibody (MA5-13799) in IF

Immunofluorescent analysis of IGF-1 Receptor alpha (green) showing staining in the membrane of MCF-7 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with an IGF-1 Receptor alpha monoclonal antibody (Product # MA5-13802) in 3% BSA-PBS at a dilution of 1:50 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.

21 References

Immunocytochemistry (1)

Scientific reports

Multiplexed Exchange-PAINT imaging reveals ligand-dependent EGFR and Met interactions in the plasma membrane.

"MA5-13799 was used in Immunocytochemistry-immunofluorescence to measure the precise distributions of five receptor tyrosine kinases from the ErbB, IGF-1R and Met families in breast cancer cells."

Authors: Werbin JL,Avendaño MS,Becker V,Jungmann R,Yin P,Danuser G,Sorger PK

Species
Human

Dilution
Not Cited

Year
2017

Immunohistochemistry (18)

PloS one

Insulin-like growth factor 1 receptor (IGF1R) expression and survival in operable squamous-cell laryngeal cancer.

"MA5-13799 was used in immunohistochemistry to study the prognostic value of IGF-1R expression in operable squamous cell laryngeal cancer"

Authors: Mountzios G,Kostopoulos I,Kotoula V,Sfakianaki I,Fountzilias E,Markou K,Karasmanis I,Leva S,Angouridakis N,Vlachtsis K,Nikolaou A,Konstantinidis I,Fountzilias G

Species
Human

Dilution
Not Cited

Year
2013

Histopathology

Does insulin-like growth factor 1 receptor (IGF-1R) targeting provide new treatment options for chordomas? A retrospective clinical and immunohistochemical study.

"MA5-13799 was used in immunohistochemistry to study the therapeutic potential of targeting IGF-1R in chordoma"

Authors: Scheipl S,Froehlich EV,Leithner A,Beham A,Quehenberger F,Mokry M,Stammberger H,Varga PP,Lazáry A,Windhager R,Gattenloehner S,Liegl B

Species
Human

Dilution
1:50

Year
2012

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

Immunoprecipitation (1)

Leukemia

HoxA9 induces insulin-like growth factor-1 receptor expression in B-lineage acute lymphoblastic leukemia.

"MA5-13799 was used in immunoprecipitation and western blot to study the role of HoxA9 in inducing IGF-1R expression in B-lineage acute lymphoblastic leukemia"

Authors: Whelan JT,Ludwig DL,Bertrand FE

Species
Human

Dilution
2 ug/time

Year
2008

More applications with references on thermofisher.com

ChIP (1)

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