
Product Name: IGF1R Mouse Monoclonal Antibody**Catalog #: AMM82607**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	154.8kDa

Antigen Information

Gene Name	IGF1R
Alternative Names	IGFR; CD221; IGFIR; JTK13
Gene ID	3480.0
SwissProt ID	P08069
Immunogen	Purified recombinant fragment of human IGF1R (AA: extra(741-935)) expressed in E. Coli.

Background

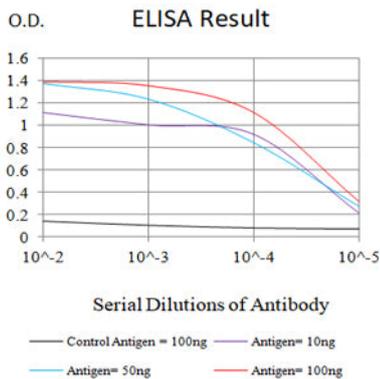
This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Alternatively

spliced transcript variants encoding distinct isoforms have been found for this gene.

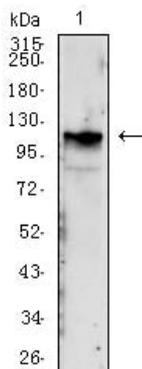
Research Area

PI3K-Akt signaling pathway, Jak-STAT signaling pathway, Hippo signaling pathway

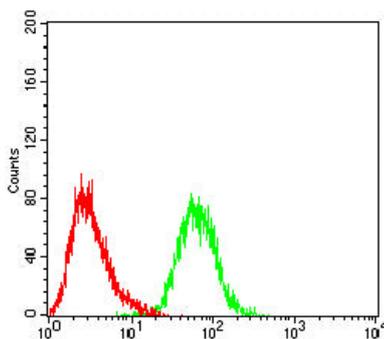
Image Data



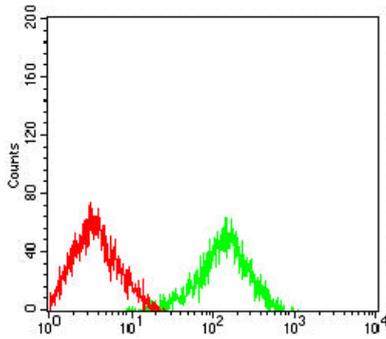
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using IGF1R mouse mAb against NIH3T3 (1), cell lysate.



Flow cytometric analysis of HepG2 cells using IGF1R mouse mAb (green) and negative control (red).



Flow cytometric analysis of Lovo cells using IGF1R mouse mAb (green) and negative control (red).