
Product Name: CD220 Mouse Monoclonal Antibody**Catalog #: AMM82768**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA,FC
Reactivity	Human, Mouse, Monkey
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,ICC 1:50-1:200,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	156kDa

Antigen Information

Gene Name	CD220
Alternative Names	INSR; HHF5
Gene ID	3643.0
SwissProt ID	P06213
Immunogen	Purified recombinant fragment of human CD220 (AA: extra 413-624) expressed in E. Coli.

Background

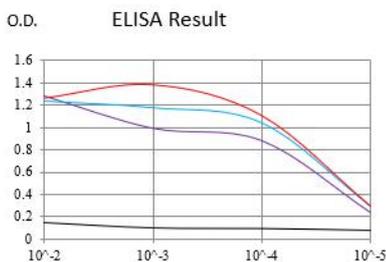
This gene encodes a member of the receptor tyrosine kinase family of proteins. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form a heterotetrameric receptor. Binding of insulin or other ligands to this receptor activates the insulin signaling pathway, which regulates glucose uptake and release, as well as the synthesis and

storage of carbohydrates, lipids and protein. Mutations in this gene underlie the inherited severe insulin resistance syndromes including type A insulin resistance syndrome, Donohue syndrome and Rabson-Mendenhall syndrome. Alternative splicing results in multiple transcript variants.

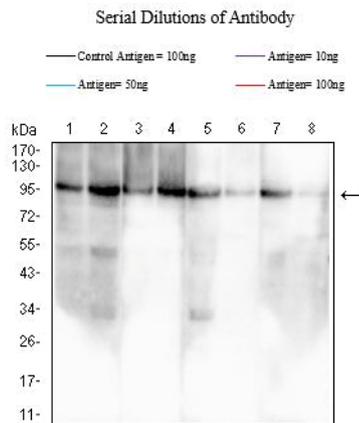
Research Area

PI3K-Akt signaling pathway, Hippo signaling pathway

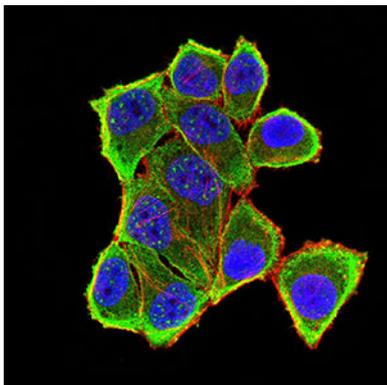
Image Data



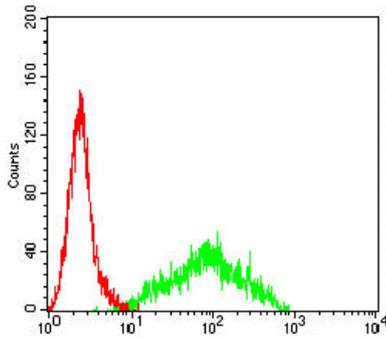
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



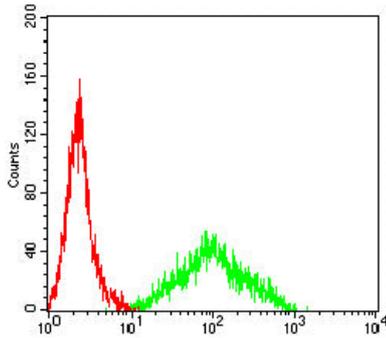
Western blot analysis using CD220 mouse mAb against HepG2 (1), HEK293 (2), Jurkat (3), HeLa (4), THP-1 (5), NIH/3T3 (6), COS7 (7), and PC-3 (8) cell lysate.



Immunofluorescence analysis of HeLa cells using CD220 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of THP-1 cells using CD220 mouse mAb (green) and negative control (red).



Flow cytometric analysis of HL-60 cells using CD220 mouse mAb (green) and negative control (red).