

CD220 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2393
Host	Mouse
Isotype	Mouse IgG2a
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD220 (AA: extra 413-624) expressed in E. Coli.
Mol wt	156kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	INSR;HHF5

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

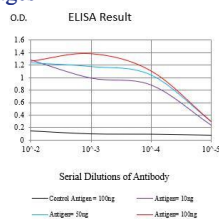
ICC: 1:50 - 1:200

FCM: 1:200 - 1:400

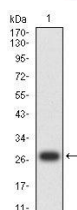
ELISA: 1:10000

Not yet tested in other applications.

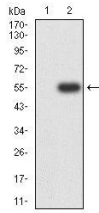
Images



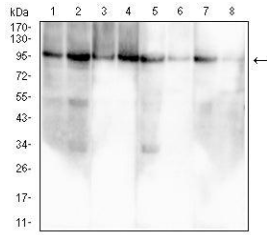
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



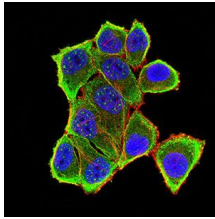
Western blot analysis using CD220 mAb against human CD220 (AA: extra 413-624) recombinant protein. (Expected MW is 27.8 kDa)



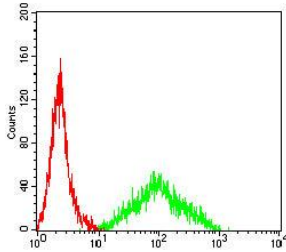
Western blot analysis using CD220 mAb against HEK293-6e (1) and CD220 (AA: extra 413-624)-hlgGfc transfected HEK293-6e (2) cell lysate.



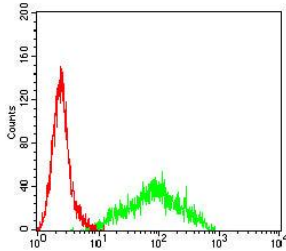
Western blot analysis using CD220 mouse mAb against HepG2 (1), HEK293 (2), Jurkat (3), HeLa (4), THP-1 (5), NIH/3T3 (6), COS7 (7), and PC-3 (8) cell lysate.



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. Secondary antibody from Fisher (Cat#: 35503)



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com