

CD172b Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4801
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human CD172b (AA: extra 72-309) expressed in E. Coli.
Mol wt	43.2kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	SIRPB1;SIRP-BETA-1

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

Background

The protein encoded by this gene is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. This protein was found to interact with TYROBP/DAP12, a protein bearing immunoreceptor tyrosine-based activation motifs. This protein was also reported to participate in the recruitment of tyrosine kinase SYK. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

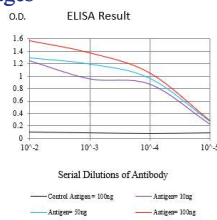
ICC: 1:50 - 1:200

FCM: 1:200 - 1:400

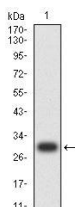
ELISA: 1:10000

Not yet tested in other applications.

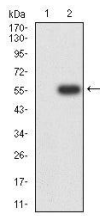
Images



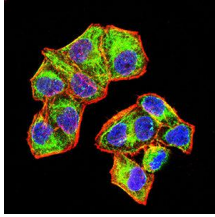
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



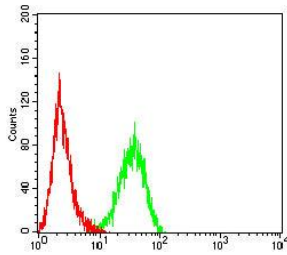
Western blot analysis using CD172b mAb against human CD172b (AA: extra 72-309) recombinant protein. (Expected MW is 28.8 kDa)



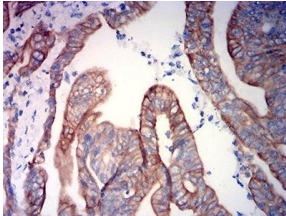
Western blot analysis using CD172b mAb against HEK293-6e (1) and CD172b (AA: extra 72-309)-hlgGFc transfected HEK293-6e (2) cell lysate.



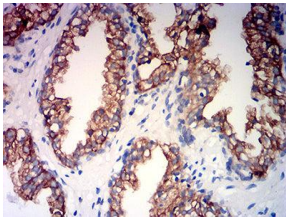
Immunofluorescence analysis of HeLa cells using CD172b mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of K562 cells using CD172b mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded colon cancer tissues using CD172b mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded prostate cancer tissues using CD172b mouse mAb with DAB staining.

Storage

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

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