

CD81 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4373
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD81 (AA: 113-201) expressed in E. Coli.
Mol wt	25.8kDa
Species reactivity	Human,Rat
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	S5.7;CVID6;TAPA1;TSPAN28

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 transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene.

Recommended Dilution

WB: 1:500 - 1:2000

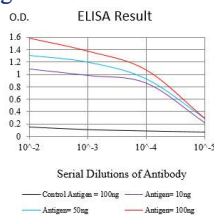
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

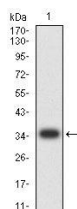
ELISA: 1:10000

Not yet tested in other applications.

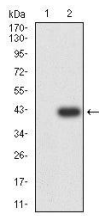
Images



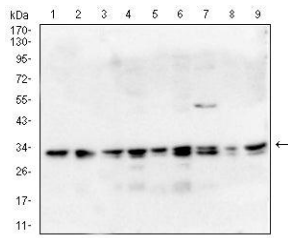
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



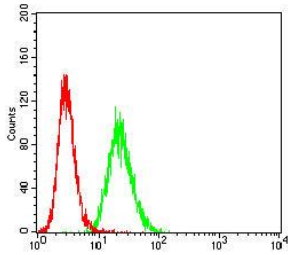
Western blot analysis using CD81 mAb against human CD81 (AA: 113-201) recombinant protein. (Expected MW is 35.7 kDa)



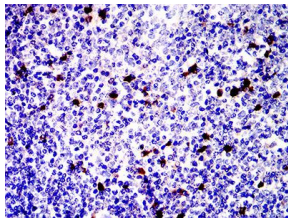
Western blot analysis using CD81 mAb against HEK293-6e (1) and CD81 (AA: 113-201)-hIgGFc transfected HEK293-6e (2) cell lysate.



Western blot analysis using CD81 mouse mAb against Ramos (1), Raji (2), HEK293 (3), HepG2 (4), Hela (5), K562 (6), Jurkat (7), PC-12 (8) and C6 (9) cell lysate.



Flow cytometric analysis of THP-1 cells using CD81 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded tonsil tissues using CD81 mouse mAb with DAB staining.

Storage

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

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