

CD81 recombinant antibody

CD81 Antibody

CATALOG # AAA235187	REACTIVITY Human, Mouse, Rat	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

CD81; Monoclonal Recombinant Antibody; CD81 Antibody; CD81 antigen; 26 kDa cell surface protein TAPA-1; Target of the antiproliferative antibody 1; Tetraspanin-28; Tspan-28; CD81 recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	165
Applicable Applications for CD81 recombinant antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	A synthesized peptide
Immunogen Species	Homo sapiens (Human)
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



Application Data

Overlay histogram showing Jurkat cells stained with AAA235187 (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 degree C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4 degree C. Control antibody (green line) was used under the same conditions. Acquisition of >10, 000 events was performed.



IHC (Immunohistochemisry)

IHC image of AAA235187 diluted at 1:100 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA235187 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: K562 whole cell lysateAll lanes: CD81 antibody at 1.25ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 26 KDaObserved band size: 26 KDa

ADDITIONAL INFORMATION

Related Product Information for CD81 recombinant antibody	May play an important role in the regulation of lymphoma cell growth. Interacts with a 16-kDa Leu-13 protein to form a complex possibly involved in signal transduction. May act as the viral receptor for HCV. DNA sequence of the CD81 monoclonal antibody that was produced from the splenocytes generated by the human CD81 synthesized peptide immunization. The DNA sequence was cloned into the plasmid and then transfected into cell lines for in vitro expression. The product is the CD81 recombinant monoclonal antibody. It is a rabbit IgG antibody purified using the affinity-chromatography method. This CD81 antibody has been validated in ELISA, WB, IHC, and FC applications and reacts with the CD81 protein from human, mouse, and rat sources. CD81 is an immune system regulator that regulates immunological synapse development, adhesion, motility, receptor clustering, and signaling, among other biological functions. CD81 forms a compound with CD19 and CD21 in B cells, lowering the activation threshold for B cell receptors. CD81 has been discovered as a component of the B lymphocyte receptor as well as a hepatitis C virus-host entry factor.
Product Categories/Family for CD81 recombinant antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	663071018
NCBI GeneID	975
NCBI Accession #	NP_001284578.1
NCBI GenBank Nucleotide #	NM_001297649.1
UniProt Accession #	P60033; P18582; Q5U0J6
NCBI Official Full Name	CD81 antigen isoform 2
NCBI Official Synonym Full Names	CD81 molecule
NCBI Official Symbol	CD81
NCBI Official Synonym Symbols	S5.7; CVID6; TAPA1; TSPAN28
NCBI Protein Information	CD81 antigen
UniProt Protein Name	CD81 antigen
UniProt Gene Name	CD81
UniProt Synonym Gene Names	TAPA1; TSPAN28; Tspan-28

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd81-recombinant-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/235187>