

Rabbit CD81 Monoclonal Antibody | anti-CD81 antibody

Anti-CD81 [1.3.3.22]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72168	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

CD81; Monoclonal Antibody; Anti-CD81 [1.3.3.22]; TSPAN-28; Tetraspanin-28; TSPAN28; CD81 antigen; 26 kDa cell surface protein TAPA-1; Target of the antiproliferative antibody 1; TAPA-1; TAPA1; anti-CD81 antibody

PRODUCT SPECIFICATIONS

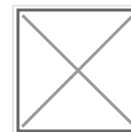
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG, kappa
Clone Number	1.3.3.22
Specificity	1.3.3.22 antibody recognizes CD81. Human CD81 is a member of the tetraspanin family of leukocyte cell surface molecules which are involved in signal transduction, cell-cell adhesion and cellular activation. CD81 also acts as a receptor for the envelope protein E2 of chronic hepatitis C virus. It is present on a wide variety of leukocytes.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD81 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
PMID	11080483
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry using the Anti-CD81 antibody 1.3.3.22 (AAA72168). Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody or the rabbit IgG version of 1.3.3.22 (, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



IF (Immunofluorescence)

Immunofluorescence staining of fixed Daudi cells with anti-CD81 antibody 1.3.3.22 (AAA72168) Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of 1.3.3.22 () at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom , DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD81 antibody	Recombinant monoclonal antibody to CD81. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma 1.3.3.22. This antibody was raised by immunizing mice with a B-Cell line derived from a Burkitt lymphoma.
Product Categories/Family for anti-CD81 antibody	lymphoma; neoplasm; immunology; oncology; therapeutics
References	Allander et al. Hepatitis C virus envelope protein E2 binds to CD81 of tamarins. Virology. 2000 Nov 25;277(2):358-67. Note on publication: This article describes the application of the 1.3.3.22 antibody used in a flow cytometry study.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38503376
NCBI GeneID	975
UniProt Accession #	P60033; P18582; Q5U0J6
Molecular Weight	25,809 Da
NCBI Official Full Name	CD81 antigen
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-antibody-clone-1-3-3-22-immunofluorescence-immunohistochemistry-flow-cytometry-western-blot-elisa/72168>