

CD81 antigen (CD81) Active Protein | CD81 active protein

Recombinant Human CD81 antigen (CD81), partial (Active)

CATALOG #
AAA279200

HOST
Mammalian Cell

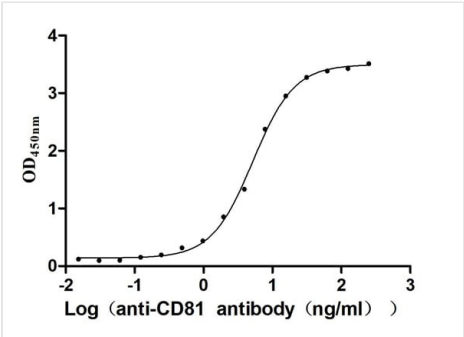
PRODUCT SYNONYMS

CD81 antigen (CD81); Recombinant Human CD81 antigen (CD81); partial (Active); TAPA1; TSPAN28; CD81 active protein

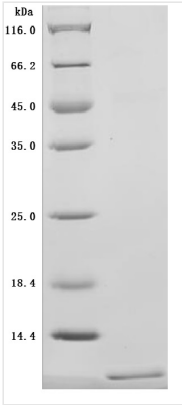
PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	113-201aa; partial
Sequence	FVNKDQIAKD VKQFYDQALQ QAVVDDDDANN AKAVVKTFHE TLDCCGSSTL TALTTSVLKN NLCPSGSGNII SNLFKEDCHQ KIDDLFSGK
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CD81 at 2 ug/mL can bind Anti-CD81 recombinant antibody, the EC50 is 4.166-5.578 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human CD81 at 2?g/mL can bind Anti-CD81 recombinant antibody, the EC50 is 4.166-5.578 ng/mL.



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for CD81 active protein	Structural component of specialized membrane microdomains known as tetraspanin-enriched microdomains (TERMs), which act as platforms for receptor clustering and signaling. Essential for trafficking and compartmentalization of CD19 receptor on the surface of activated B cells.
Product Categories/Family for CD81 active protein	Active Protein & In Stock Protein
References	"TAPA-1, the target of an antiproliferative antibody, defines a new family of transmembrane proteins."Oren R., Takahashi S., Doss C., Levy R., Levy S.Mol. Cell. Biol. 10:4007-4015 (1990)

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.