

T-cell antigen CD7 (CD7) Active Protein | CD7 active protein

Recombinant Human T-cell antigen CD7 (CD7), partial (Active)

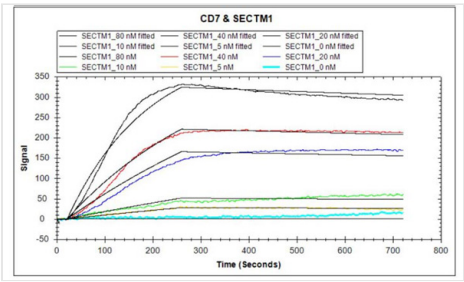
CATALOG # AAA279198	HOST Mammalian cell
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PRODUCT SYNONYMS

T-cell antigen CD7 (CD7); Recombinant Human T-cell antigen CD7 (CD7); partial (Active); CD7 active protein

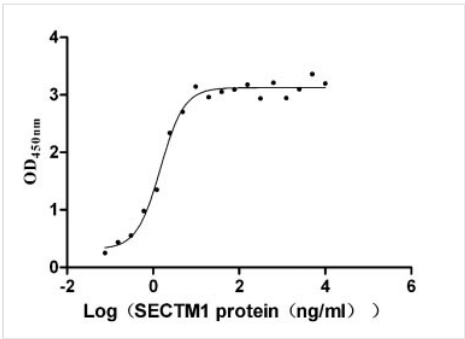
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	26-180aa; Partial
Sequence	AQEVQQSPHC TTPVVGASVN ITCSTSGGLR GIYLRQLGPQ PQDIYYEDG VVPTDRRFR GRIDFSGSQD NLTITMHRQLQ LSDTGYTCQ AITEVNVYGS GTLVLVTEEQ SQGWHRCSDA PPRASALPAP PTGSALPDPQ TASALPDPPA ASALP\$
Species	Homo sapiens (Human)
Tag	C-terminal hFc-Myc-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Immunology
Biological Activity	1. Measured by its binding ability in a functional ELISA. Immobilized CD7 at 5 ug/ml can bind SECTM1, the EC50 is 1.236-1.773 ng/ml. 2. Human CD7 protein hFc and Myc tag captured on COOH chip can bind Human SECTM1 protein hFc tag with an affinity constant of 1.84 nM as detected by LSPR Assay.
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.



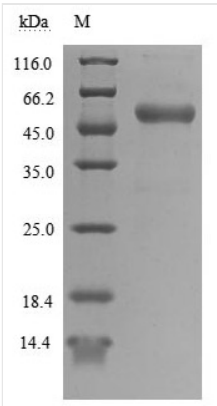
Application Data

Human CD7 protein hFc and Myc tag captured on COOH chip can bind Human SECTM1 protein hFc tag with an affinity constant of 1.84 nM as detected by LSPR Assay.



Bioactivity

Measured by its binding ability in a functional ELISA. Immobilized CD7 at 5 ?g/ml can bind SECTM1, the EC50 is 1.236-1.773 ng/ml.



SDS-PAGE

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

ADDITIONAL INFORMATION

Product Categories/Family for CD7 active protein	Active Protein & In Stock Protein
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453613
NCBI GeneID	924
NCBI Accession #	NP_006128.1
NCBI GenBank Nucleotide #	NM_006137.6
UniProt Accession #	P09564
Molecular Weight	25,409 Da
NCBI Official Full Name	T-cell antigen CD7
NCBI Official Synonym Full Names	CD7 molecule
NCBI Official Symbol	CD7
NCBI Official Synonym Symbols	GP40; TP41; Tp40; LEU-9
NCBI Protein Information	T-cell antigen CD7; CD7 antigen (p41); T-cell leukemia antigen; T-cell surface antigen Leu-9; p41 protein
UniProt Protein Name	T-cell antigen CD7

UniProt Gene Name	CD7
UniProt Entry Name	CD7_HUMAN

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/mammalian-cell-active-protein/t-cell-antigen-cd7-cd7/279198>