

Sialic acid-binding Ig-like lectin 9 (SIGLEC9) Active Protein | SIGLEC9 active protein

Recombinant Human Sialic acid-binding Ig-like lectin 9 (SIGLEC9), partial (Active)

CATALOG #
AAA279364

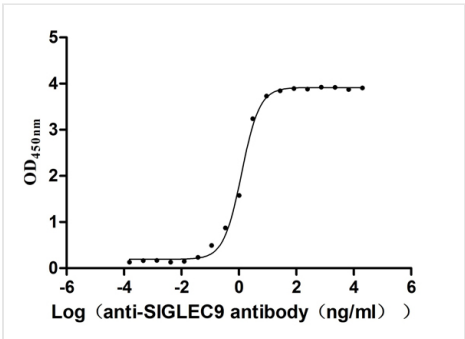
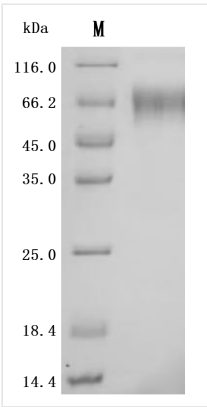
HOST
Mammalian Cell

PRODUCT SYNONYMS

Sialic acid-binding Ig-like lectin 9 (SIGLEC9); Recombinant Human Sialic acid-binding Ig-like lectin 9 (SIGLEC9); partial (Active); CDw329; Protein FOAP-9; CD329; SIGLEC9 active protein

PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder; Lyophilized from a 0.2um sterile filtered PBS, 6% Trehalose, pH 7.4
Sequence	QTSKLLTMQS SVTVQEGLCV HVPCSFYSYPS HGWIYGPV V HGYWFREGAN TDQDAPVATN NPARAVWEET RDRFHLLGDP HTKNCTLSIR DARRSDAGRY FFRMEKGSIK WNYKHHRLSV NVTALTHRPN ILIPGTLESG CPQNLTC SVP WACEQGTPPM ISWIGTSVSP LDPSTTRSSV LTLIPQPQDH GTSLTCQVTF PGASVTTNKT VHLNVSYPQ NLMTVFQGD GTVSTVLGNG SSLSLPEGQS LRLVCAVDAV DSNPPARLSL SWRGLTLCPS QPSNPGVLEL PWVHLRDAAE FTCRAQNPLG SQQVYLVNVL QSKATSGVTQ G
Sequence Length	18-348aa; Partial
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human SIGLEC9 at 2ug/mL can bind Anti-SIGLEC9 recombinant antibody . The EC50 is 1.033-1.429ng/mL.
Reconstitution	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.
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. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.



Activity

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

ADDITIONAL INFORMATION

Related Product Information for SIGLEC9 active protein	Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3- or alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface.
Product Categories/Family for SIGLEC9 active protein	Immunology
References	Targeting glycosylated antigens on cancer cells using siglec-7/9-based CAR T-cells. Meril S., Harush O., Reboh Y., Matikhina T., Barliya T., Cohen C.J.Mol Carcinog 59:713-723 (2020)

NCBI AND UNIPROT INFORMATION

NCBI GI #	25009270
NCBI GeneID	27180
UniProt Accession #	Q9Y336; Q6GTU4; Q9BYI9
Molecular Weight	52,492 Da
NCBI Official Full Name	Sialic acid-binding Ig-like lectin 9
NCBI Official Synonym Full Names	sialic acid binding Ig like lectin 9
NCBI Official Symbol	SIGLEC9
NCBI Official Synonym Symbols	CD329; CDw329; FOAP-9; siglec-9; OBBP-LIKE
NCBI Protein Information	sialic acid-binding Ig-like lectin 9
UniProt Protein Name	Sialic acid-binding Ig-like lectin 9
UniProt Gene Name	SIGLEC9
UniProt Synonym Gene Names	Siglec-9

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.