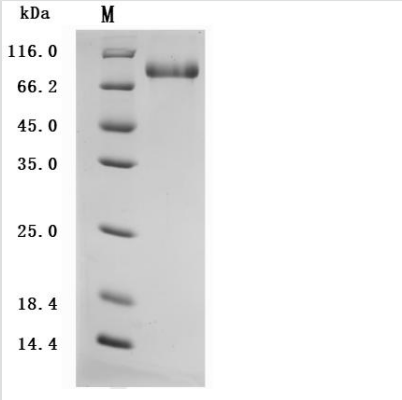
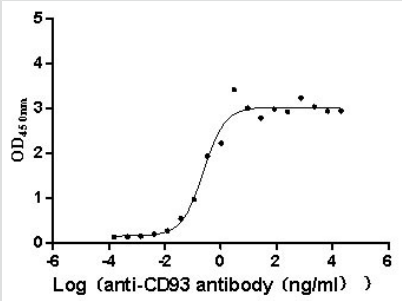
Recombinant Macaca fascicularis CD93 molecule (CD93), partial (Active)

Product Code	CSB-MP4279MOV
Abbreviation	Recombinant Cynomolgus monkey CD93 protein, partial (Active)
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	A0A2K5VH53
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Product Type	Recombinant Protein
Immunogen Species	Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis CD93 at 2 μg/mL can bind Anti-CD93 recombinant antibody (CSB-RA865099MA1HU), the EC50 is 0.1669-0.3513 ng/mL.
Purity	Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
Sequence	ADTEAVVCAGTACYTAHWGKLSAAEAQNLCLQNGGNLATVKSEEEAQHVQQ VLAQLLRREAALTARMGKFWIGLQREKGKCLDPSLPLKGFSWVGGGEDTPYS NWHKELRNSCISKRCVSLLLDLSQPLLPGRLPKWSEGPCGSPGSPGSNIEGFV CKFSFKGMCRPLALGGPGQVTYTTPFQTTSSSLEAVPFASAANVACGEGDKD DSQSHYFLCKEKAPDVFDWGSSGPLCVSPKYGCNFNNGGCHQDCFEGGDG SFLCGCRPGFRLLDDLVTCASRNPCSSSPCRGGATCIPGPHGKNYTCRCPQG YQLDSSQLDCVDVDECQDSPCAQECVNTPGSFRCECWVGYEPGGPGEGAC QDVDECALGRSPCAQGCTNTEGSFHCSCEEGYVLAGEDGTQCQDVDECVG PGGPLCDSLCFNTQGSFRCGCLPGWVLAPNGVSCAMGPVSLGPPSGPPDEE YKGEREGSTVPPAATASPTRGPEGTPKSTPTTRRPLLSSDAPITSVPLEVLAPS GSPGLWREPSIHHTTAASGAQEPAGGDSSVATQNDDGTDGQKL
Source	Mammalian cell
Target Names	CD93
Expression Region	24-581aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	60.2 kDa
Protein Length	Partial

Image



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



Activity
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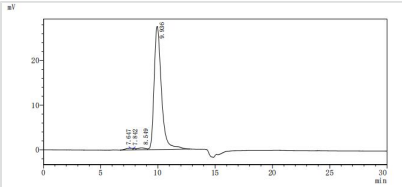

The purity of CD93 was greater than 95% as determined by SEC-HPLC

Description

This Macaca fascicularis CD93 recombinant protein was produced in Mammalian cell, where the gene sequence encoding Macaca fascicularis CD93 (24-581aa) was expressed with the C-terminal 10xHis tag. The purity of this CD93 protein was 95%. The activity was validated.

The function of CD93 is currently mainly considered to be involved in intercellular adhesion and clearance of apoptotic cells, and is associated with various inflammatory and immune-related diseases, including asthma. CD93 is a transmembrane receptor that is upregulated in tumor blood vessels of many cancers.
Studies have demonstrated that CD93 regulates β1 integrin signaling activation and fibronectin fibrillation during tumor angiogenesis. A recent study comparing gene expression profiling of tumors under VEGF inhibitor treatment in vivo identified CD93 as a candidate receptor downregulated in VEGF inhibition and a potential target for mediating vascular normalization. This confirms the pro-angiogenic effect of CD93 in endothelial cells.

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.