



Recombinant *Macaca mulatta* Carcinoembryonic antigen-related cell adhesion molecule 5(CEACAM5),partial (Active)

Product Code	CSB-MP5152MOW
Abbreviation	Recombinant Rhesus macaque CEACAM5 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.	XP_005589491.1
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	<i>Macaca mulatta</i> (Rhesus macaque)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Cynomolgus CEACAM5 at 2μg/mL can bind Anti-CEACAM5 recombinant antibody (CSB-RA005165MA4HU). The EC50 is 3.572-4.044 ng/mL.
Purity	≥ 95% as determined by SDS-PAGE. ≥ 95% as determined by SEC-HPLC.
Sequence	MGSPSAPLHRWCIPWQTLTLLTASLLTFWNPPTTAQLTIESRPFNVAEGKEVLLL AHNVSQLNLFYIWKGERVDASRRIGSCVIRTQQITPGPAHSGRETIDFNASLL IHNVTQSDTGSYTIQVIKEDLVNEEATGQFRVYPELPKPYISSNNSNPVEDKDA VALTCEPETQDTTYLWWVNNQSLPVSRLSSDNRRLTVFNIPRNDTTSYKC ETQNPVSVRRSDPVTLNVLYGPDAPTISPLNTPYRAGENLNLSCHAASNPTAQ YFWFVNGTFQQSTQELFIPNITVNNSGSYMCQAHNSATGLNRTTVTAITVYAE PKPYITSNNSNPIEDKDAVTLTCEPETQDTTYLWWVNNQSLSVSSRLELSDN RDLTVFNIPRNDTTFYECETQNPVSVRRSDPVTLNVLYGPDAPTISPLNTPYRA GENLNLSCHAASNPAQSWFVNGTFQQSTQELFIPNITVNNSGSYMCQAHN SATGLNRTTVTAITVYVELPKPYISSNNSNPIEDKDAVTLTCEPVAENTTYLWW VNNQSLSVSPRLQLSNGNRILTLLSVTRNDTGPYECGIQNSESAKRSDPVTLN VTYGPDPPIISPPDLSYRSGANLNLSCHSDSNPSPQYSWLINGTLRQHTQVLF SKITSNNGAYACFVSNLATGRNNSIVKNISVSSGDSAPGSSG
Source	Mammalian cell
Target Names	CEACAM5
Expression Region	1-685aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

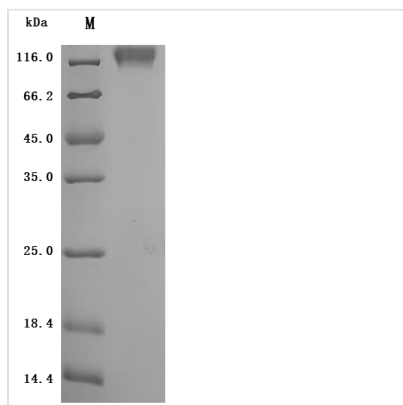


Tag Info C-terminal 10xHis-tagged

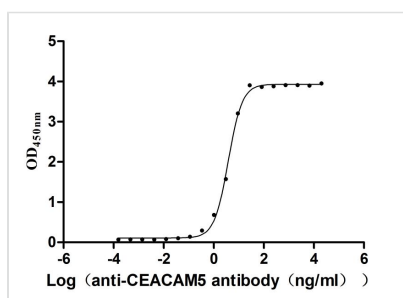
Mol. Weight 76.9 kDa

Protein Length Partial

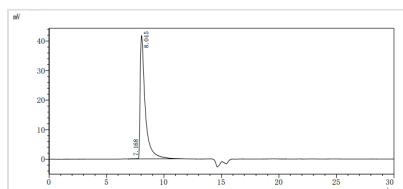
Image



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



Activity
Measured by its binding ability in a functional ELISA. Immobilized Cynomolgus CEACAM5 at 2µg/ml can bind Anti-CEACAM5 recombinant antibody (CSB-RA005165MA4HU). The EC₅₀ is 3.572-4.044 ng/mL.



The purity of CEACAM5 was greater than 95% as determined by SEC-HPLC

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.