

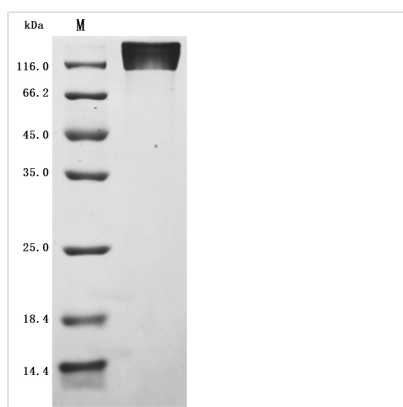


Recombinant *Macaca fascicularis* CD44 antigen (CD44), partial (Active)

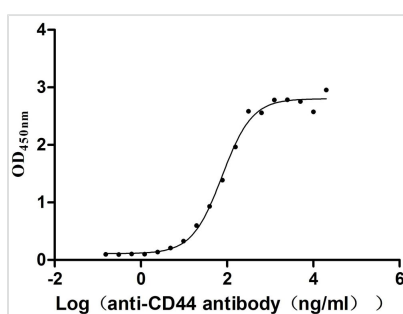
Product Code	CSB-MP4290MOV
Abbreviation	Recombinant Cynomolgus monkey CD44 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	A0A2K5VJE0
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 fascicularis</i> (Crab-eating macaque) (Cynomolgus monkey)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized <i>Macaca fascicularis</i> CD44 at 2 µg/mL can bind Anti-CD44 monoclonal antibody (CSB-MA004938A0m), the EC ₅₀ is 64.18-90.91 ng/mL.
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	<p>QIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSVGF ETCRYGFI EGHVVIPRIQPNSICAA NHTGVYILTSNTS QYDTYCFNASAPPKEDC TSVTDLPNAFDGPITITIVNPDGTRYI KKG EYRTNPEDIYPSNPTDDD VSSGSS ERSSTSGGYIFHTFSTAHPIDEDGPWITDSTDRIPATTL MSTSATATETATKR QETQDWFSWLFLPSESKNHLHTTTQMAGTSSNTISAGWEPNEENEDERDRH LSFSGSGIDDED FISSTISTTPRVFDHTKQNKDWTQWNPSHSNPEVLLQTTA RITADVDRNGTTAHEGNWNPEAHPPLIHHEHHEEEETPHSTSTIQAI PSSTTEE TATQKEQWFGNRWHEGYLQTPREDSHSTTG TAAASALTSHPMQGRTPSPE DSSWTDFFDPISHPMGRGHQAGRRMDMDSSHSTTLQPTADPNTGLVEDLDR TGPLSMTTKQSNSQSFST SHEGLEEDKDHPPTSTLTSSNRNDVTGRRDPNH SEGSTTLLEGYTSHPDTKESRTFIPVTS AKTGSFGVTEVTVGDSNSNVNHS SGDQDAFYPSGGSHHTHGSESAGHSHGSQEGGANTTSGPVRTPQIPE</p>
Source	Mammalian cell
Target Names	CD44
Expression Region	21-650aa
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	71.6 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 *Macaca fascicularis* CD44 at 2 µg/ml can bind Anti-CD44 monoclonal antibody (CSB-MA004938A0m), the EC₅₀ is 64.18-90.91 ng/mL.

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.