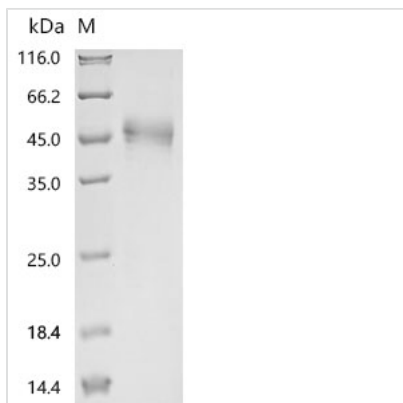


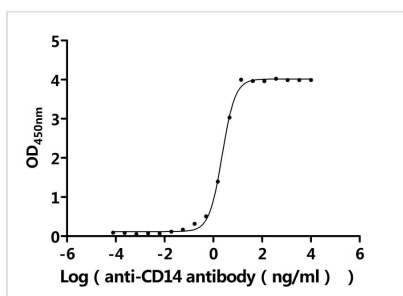


Recombinant Human Monocyte differentiation antigen CD14 (CD14), partial (Active)

Product Code	CSB-MP004879HU1
Abbreviation	Recombinant Human CD14 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.	P08571
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CD14 at 2 µg/mL on an Nickel Coated plate can bind Anti-CD14 recombinant antibody (CSB-RA004879MA1HU). The EC50 is 2.148-2.447 ng/mL.
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	TTPEPCELDDDFRCVCFNFSEPPQPDWSEAFQCVSAVEVEIHAGGLNLEPFLK RVDADADPRQYADTVKALRVRRLTVGAAQVPAQLLVGALRVLAYSRLKELTLE DLKITGTMPPLEATGLALSSLRLRNVSATGRSWLAELQQWLKPKGLKVL SI AQAHSPAFSCEQVRAFPALTSLDLSDNPGLGERGLMAALCPHKFPAIQNLALR NTGMETPTGVCAALAAAGVQPHSLDLSHNSLRATVNPSAPRCMWSSALNSLN LSFAGLEQVPKGLPAKLRVLDLSCNRLNRAPQPDELPEVDNLTLDGNPFLVPG TALPHEGSM
Source	Mammalian cell
Target Names	CD14
Expression Region	20-344aa
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	37.8 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 Human CD14 at 2 μ g/ml on an Nickel Coated plate can bind Anti-CD14 recombinant antibody (CSB-RA004879MA1HU). The EC₅₀ is 2.148-2.447 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.