

Human CD14 Protein

Cat. No. CD1-HM114

Description

Source	Recombinant Human CD14 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Thr20-Met344.
Accession	AAH10507
Molecular Weight	The protein has a predicted MW of 38.2 kDa. Due to glycosylation, the protein migrates to 48-53 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

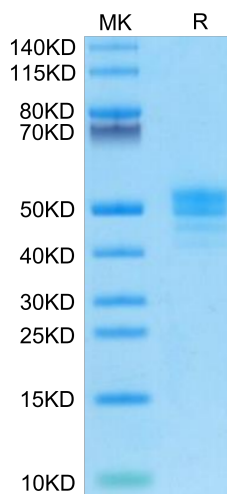
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

Human monocyte differentiation antigen CD14 is a pattern recognition receptor (PRR) that enhances innate immune responses. CD14 was first identified as a marker of monocytes to signal intracellular responses upon bacterial encounters. Given the absence of an intracellular tail, CD14 was doubted to have the signaling capacities.

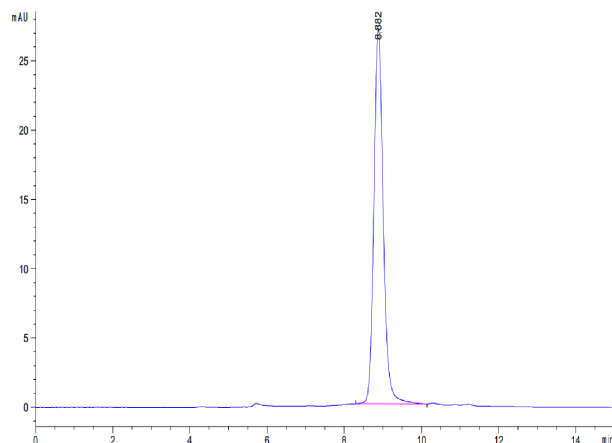
Assay Data

Tris-Bis PAGE



Human CD14 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human CD14 is greater than 95% as determined by SEC-HPLC.