

37-1060: Human CD14 Recombinant Protein (Fc Tag)(Discontinued)

Reactivity : Human

Alternative Name : CD14 antigen Protein, monocyte differentiation antigen CD14 Protein,

Description

Source : HEK293 Cells

The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 32 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 14 (CD14) is a member of the CD system. It takes its name from its inclusion in the CD molecule surface marker proteins. CD14 exists in two forms: a form anchored into the membrane or a soluble form. CD14 was found expressed in macrophages, neutrophil granulocyte and dendritic cells. The major function is serve as a co-receptor (along with TLR4 and MD-2) for the bacterial lipopolysaccharide (LPS) and other pathogen-associated molecular patterns.

Product Info

Amount : Human CD14 Recombinant Protein (Fc Tag)(Discontinued) / 100 µg

Purification : > 97 % as determined by SDS-PAGE and SEC-HPLC Analysis.

Content : Formulation Lyophilized from sterile PBS, pH 7.4
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Storage condition : Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Amino Acid : Thr20-Cys352

Application Note

Endotoxin :< 1.0 EU per µg of the protein as determined by the LAL method

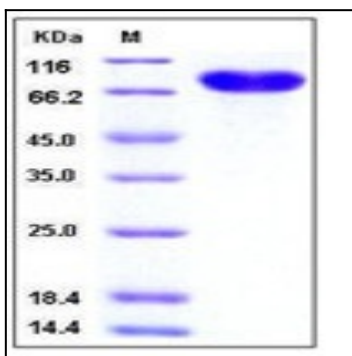


Fig 1: Human CD14 Recombinant Protein (Fc Tag)