

Human CD163 Protein

Cat. No. CD1-HM463



Description

| | |
|-------------------------|---|
| Source | Recombinant Human CD163 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Ser42-Ser1045. |
| Accession | Q86VB7-1 |
| Molecular Weight | The protein has a predicted MW of 111.4 kDa. Due to glycosylation, the protein migrates to 115-130 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1 EU per μg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

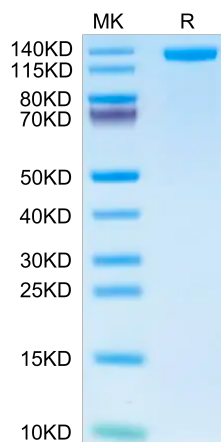
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

The hemoglobin (Hb) scavenger receptor, CD163, is a macrophage-specific protein and the upregulated expression of this receptor is one of the major changes in the macrophage switch to alternative activated phenotypes in inflammation. Accordingly, a high CD163 expression in macrophages is a characteristic of tissues responding to inflammation.

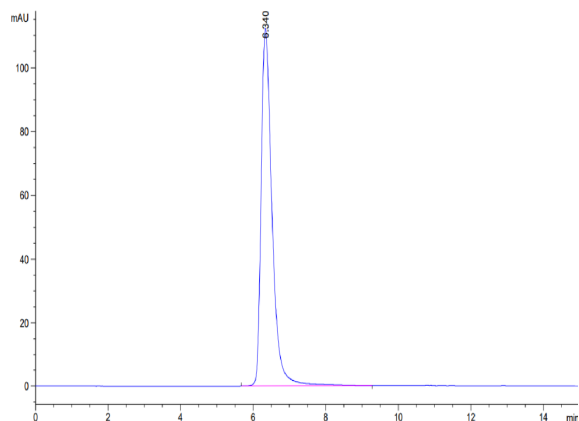
Assay Data

Bis-Tris PAGE



Human CD163 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human CD163 is greater than 95% as determined by SEC-HPLC.