

Biotinylated Human CD163 Protein

Cat. No. CD1-HM463B

Description

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|-------------------------|--|
| Source | Recombinant Biotinylated Human CD163 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. 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 120-140 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

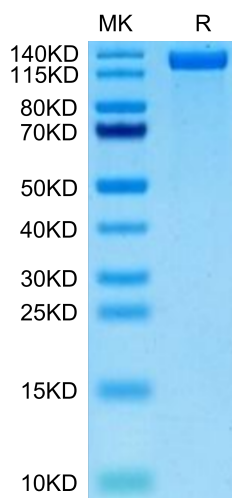
| | |
|--------------------|---|
| Formulation | Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label. |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend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

Background

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.

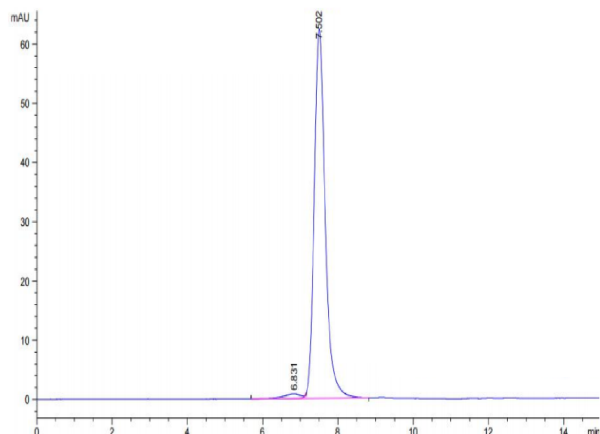
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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