Mouse CD163 Protein

Cat. No. CD1-MM163

Description

Source	Recombinant Mouse CD163 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Val39-Thr1045.
Accession	Q2VLH6-1
Molecular Weight	The protein has a predicted MW of 109.53 kDa. Due to glycosylation, the protein migrates to 120-150 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

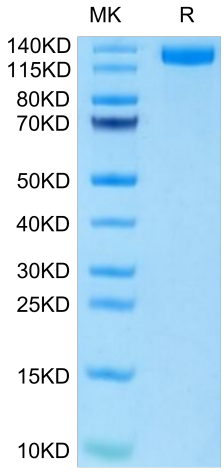
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days 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

Tris-Bis PAGE



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

SEC-HPLC

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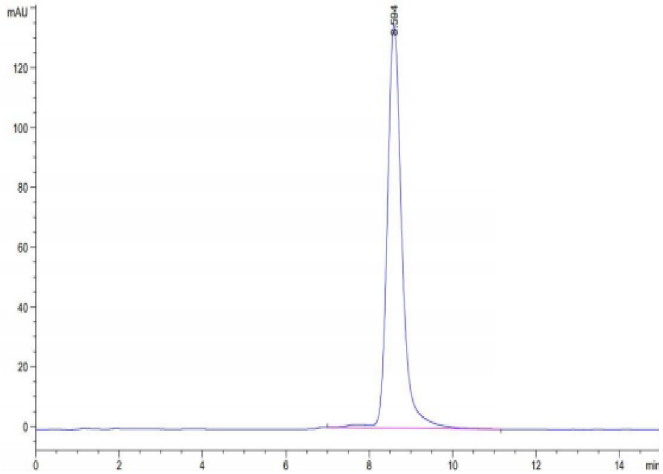

The purity of Mouse CD163 is greater than 95% as determined by SEC-HPLC.