

Recombinant Human CD163 protein, His-tagged

Cat. No. CD163-356H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD163 protein (Ser42-Ser1045), fused to His tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	1004
Description	Scavenger receptor cysteine-rich type 1 protein M130 (CD163) is also known as hemoglobin scavenger receptor, which is a scavenger receptor for the hemoglobin-haptoglobin complex. CD163 has also been shown to mark cells of monocyte/macrophage lineage. A soluble form of the receptor exists in plasma, commonly denoted sCD163. sCD163 is generated by ectodomain shedding of the membrane bound receptor. sCD163 is upregulated in a large range of inflammatory diseases including liver cirrhosis, type 2 diabetes, macrophage activation syndrome, Gaucher's disease, sepsis, HIV infection, rheumatoid arthritis and Hodgkin Lymphoma.
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 110.4 kDa. The protein migrates as 135-140 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

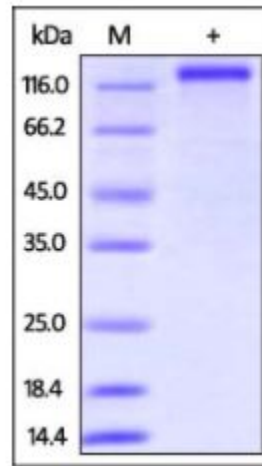
Gene Name	CD163
Official Symbol	CD163
Synonyms	CD163; CD163 molecule; CD163 antigen; scavenger receptor cysteine-rich type 1 protein M130; M130; MM130; hemoglobin scavenger receptor; macrophage-associated antigen
Gene ID	9332
mRNA Refseq	NM_004244
Protein Refseq	NP_004235
MIM	605545
UniProt ID	Q86VB7

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SDS-PAGE of CD163-356H



Human CD163, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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