

Active Recombinant Human CD163, His-tagged

Cat. No. CD163-112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD163 (Gly41-Ser1045), fused with a C-terminal 10-His tag, was expressed in NSO Cells.
Species	Human
Source	Mammalian Cells
ProteinLength	41-1045 a.a.
Description	The protein encoded by this gene is a member of the scavenger receptor cysteine-rich (SRCR) superfamily, and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Predicted N Terminal	Gly41
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its ability to bind Haptoglobin/Hemoglobin (Hp/Hb) complexes.
Molecular Mass	Predicted Molecular Mass: 110 kDa SDS-PAGE: 135-140 kDa, reducing conditions

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Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 250 µg/mL in sterile PBS.

GENE INFORMATION

Gene Name	CD163 CD163 molecule [Homo sapiens (human)]
Official Symbol	CD163
Synonyms	CD163; M130; MM130; CD163 molecule; scavenger receptor cysteine-rich type 1 protein M130; hemoglobin scavenger receptor; macrophage-associated antigen
Gene ID	9332
mRNA Refseq	NM_004244
Protein Refseq	NP_004235
MIM	605545
UniProt ID	Q86VB7
Chromosome Location	12p13.3
Pathway	Binding and Uptake of Ligands by Scavenger Receptors; Scavenging of Heme from

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Plasma

Function

protein binding; scavenger receptor activity

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