

Recombinant Human CD163

Cat. No. CD163-27220TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CD163 with a proprietary tag: predicted molecular weight 35.64 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	91 amino acids
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.
Molecular Weight	35.640kDa inclusive of tags
Tissue specificity	Expressed in monocytes and mature macrophages such as Kupffer cells in the liver, red pulp macrophages in the spleen, cortical macrophages in the thymus, resident bone marrow macrophages and meningeal macrophages of the central nervous system. Expressed a

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Biological activity	Useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione Note: Glutathione is reduced
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	NGWSMEAVSVICNQLGCPTAIKAPGWANSSAGSGRIWMDHVSCRGNESALWDCK HDGWGKHSNCTHQQDAGVTCSDGNSNLEMRLTRGGNMC
Sequence Similarities	Contains 9 SRCR domains.

GENE INFORMATION

Gene Name	CD163 CD163 molecule [Homo sapiens]
Official Symbol	CD163
Synonyms	CD163; CD163 molecule; CD163 antigen; scavenger receptor cysteine-rich type 1 protein M130; M130; MM130;
Gene ID	9332
mRNA Refseq	NM_004244
Protein Refseq	NP_004235

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MIM	605545
Uniprot ID	Q86VB7
Chromosome Location	12p13
Function	protein binding; scavenger receptor activity;

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