Recombinant Human CD163 Protein, C-His-tagged

Cat. No. CD163-182H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD163 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CD163 is a transmembrane scavenger receptor expressed on the macrophage surface. It has 9 B-type SRCR extracellular domains mediating serum haptoglobin clearing/endocytosis, pathogen binding and signal transduction, and calcium binding. CD163 is used as a surface marker of M2 type macrophages, including M2 type tumor associated macrophages (TAMs), which facilitate cancer progression by secreting cytokines to promote angiogenesis, immunosuppression and metastasis. Inflammatory stimulation and stress signal can induce extracellular domain shedding of CD163 to generate soluble CD163 (sCD163). The increased sCD163 level in serum is associated with low-grade inflammation in disease conditions.
Molecular Mass	~89 kDa
AA Sequence	SSLGGTDKELRLVDGENKCSGRVEVKVQEEWGTVCNNGWSMEAVSVICNQLGCP TAIKAPGWANSSAGSGRIWMDHVSCRGNESALWDCKHDGWGKHSNCTHQQDAG VTCSDGSNLEMRLTRGGNMCSGRIEIKFQGRWGTVCDDNFNIDHASVICRQLECGS AVSFSGSSNFGEGSGPIWFDDLICNGNESALWNCKHQGWGKHNCDHAEDAGVICS KGADLSLRLVDGVTECSGRLEVRFQGEWGTICDDGWDSYDAAVACKQLGCPTAVT AIGRVNASKGFGHIWLDSVSCQGHEPAIWQCKHHEWGKHYCNHNEDAGVTCSDG

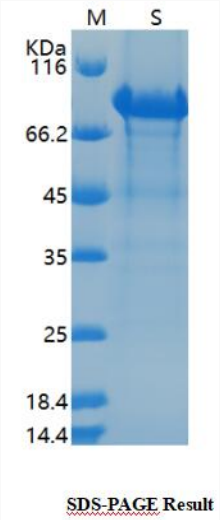
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	SDLELRLRGGGSRCAGTVEVEIQRLLGKVCDRGWGLKEADVVCRQLGCGSALKTS YQVYSKIQATNTWLFLSSCNGNETSLWDCKNWQWGGLTCDHYEEAKITCSAHREP RLVGGDIPCSGRVEVKHGDTWGSICDSDFSLEAASVLCRELQCGTVVSILGGAHFG EGNGQIWAEEFQCEGHESHLSLCPVAPRPEGTCSHSRDVGVVCSRYTEIRLVNGKT PCEGRVELKTLGAWGSLCNSHWDIEDAHVLCQQLKCGVALSTPGGARFGKGNGQI WRHMFHCTGTEQHMGDCPVTALGASLCPSEQVASVICSGNQSQTLSSCNSSSLGP TRPTIPEESAVACIESGQLRLVNGGGRCAGRVEIYHEGSWGTICDDSWDLSDAHVV CRQLGCGEAINATGSAHFGEGTGPIWLDEMKCNGKESRIWQCHSHGWGQQNCRH KEDAGVICSEFMSLRLTSEASREACAGRLEVFYNGAWGTV
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	CD163 CD163 molecule [Homo sapiens (human)]
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;

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Gene ID	9332
mRNA Refseq	NM_004244
Protein Refseq	NP_004235
MIM	605545
UniProt ID	Q86VB7
SDS-PAGE	

SDS-PAGE Result

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