

Recombinant Human CD163 Protein, His-tagged

Cat. No. CD163-125H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD163 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1156
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.
Form	Lyophilized
Molecular Mass	110.4 kDa
AA Sequence	MSKLRMVLLEDSGSADFRRHFVNLSPTITVLLLSACFVTSSLGGTDKELRLVDGE NKCSGRVEVKVQEEWGTVCNNGWSMEAVSVICNQLGCPTAIKAPGWANSSAGSG RIWMDHVSCRGNESALWDCKHDGWGKHSNCTHQQDAGVTCSDGSNLEMRLTRG GNMCSGRIEIKFQGRWGTVCDDNFNIDHASVICRQLECGSAVSFSGSSNFGEGSGP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

IWFDDLICNGNESALWNCKHQGWGKHNCDAEDAGVICKGADLSLRLVDGVTEC
 SGRLEVRFQGEWGTICDDGWDSYDAAVACKQLGCPTAVTAIGRVNASKGFGHIWL
 DSVSCQGHEPAIWQCKHHEWGKHHCNHEDAGVTCSDGSDLELRLRGGGSRGAG
 TVEVEIQRLGKVCDRGWGLKEADVCRQLGCGSALKTSYQVYSKIQATNTWLFLS
 SCNGNETSLWDCKNWQWGGLTCDHYEEAKITCSAHREPRLVGGDIPCSGRVEVKH
 GDTWGSICDSDFSLEAASVLCRELQCGTVVSILGGAHFGEENGQIWAEEFQCEGHE
 SHLSLCPVAPRPEGTCSHSRDVGVCSTRYTEIRLVNGKTPCEGRVELKTLGAWGSL
 CNSHWDIEDAHVLCQQLKCGVALSTPGGARFGKNGQIWRHMFHCTGTEQHMGD
 CPVTALGASLCPSEQVASVICSGNQSQTLSSCNSSSLGPTRPTIPEESAVACIESGQ
 LRLVNGGGRCAGRVEIYHEGSWGTICDDSWDLSDAHVVCRLGCGEAINATGSAH
 FGEGTGPIWLDEMCKNGKESRIWQCHSHGWGQQNCRHKEDAGVICSEFMSLRLTS
 EASREACAGRLEV FYNGAWGTVGKSSMSETTVGVVCRLGCGADKGINPASLDKA
 MSIPMWVDNVQCPKGPDTLWQCPSSPWEKRLASPSEETWITCDNKIRLQEGPTSC
 SGRVEIWHGGSWGTVCDSDWDLDDAQVVCQQLGCGPALKAFKEAEFGQGTGPIW
 LNEVKCKGNESSLWDCPARRWGHSECGHKEDAAVNCTDISVQKTPQKATTGRSSR
 QSSFIAVGILGVLLAIFVALFFLTKKRRQRQLAVSSRGENLVHQIQYREMNSCLNA
 DDLDLMNSENSENHESADFSAAELISVSKFLPISGMEKEAILSHTTEKENGNL

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL

Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.
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;
Gene ID	9332
mRNA Refseq	NM_004244
Protein Refseq	NP_004235
MIM	605545
UniProt ID	Q86VB7