9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-13357: CD163 Human

Alternative Name :	CD163 Molecule, Hemoglobin Scavenger Receptor, CD163 Antigen, Â M130, Scavenger Receptor Cysteine-Rich Type 1 Protein M130, Macrophage-Associated Antigen, SCARI1, Â MM130,CD163.Â Â Â Â Â Â Â Â Â Â

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
CD163 is an acute phase-regulated receptor which participates in the removal and endocytosis of hemoglobin/haptoglobin complexes by macrophages and thus keeps tissues from free hemoglobin-mediated oxidative damage. Furthermore, CD163 partakes in the uptake and recycling of iron, through endocytosis of hemoglobin/haptoglobin and ensuing breakdown of heme. In addition, CD163 binds hemoglobin/haptoglobin complexes in a calcium-dependent and pH-dependent way. CD163 demonstrates greater affinity for complexes of hemoglobin and multimeric haptoglobin of HP-1F phenotype than for complexes of hemoglobin and dimeric haptoglobin of HP-1S phenotype. Moreover, CD163 stimulates a cascade of intracellular signals which involves tyrosine kinase-dependent calcium recruitment, inositol triphosphate formation and secretion of IL-6Â & CSF-1.
CD163 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 1015 amino acids (42-1050a.a.) and having a molecular mass of 109.8kDa. (Molecular size on SDS-PAGE will appear at approximately 100kDa). CD163 is expressed with an 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CD163 protein solution (0.5mg/ml) contains phosphate Buffered Saline (pH 7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	SSLGGTDKEL RLVDGENKCS GRVEVKVQEE WGTVCNNGWS MEAVSVICNQ LGCPTAIKAP GWANSSAGSG RIWMDHVSCR GNESALWDCK HDGWGKHSNC THQQDAGVTC SDGSNLEMRL TRGGNMCSGR IEIKFQGRWG TVCDDNFNID HASVICRQLE CGSAVSFSGS SNFGEGSGPI WFDDLICNGN ESALWNCKHQ GWGKHNCDHA EDAGVICSKG ADLSLRLVDG VTECSGRLEV RFQGEWGTIC DDGWDSYDAA VACKQLGCPT AVTAIGRVNA SKGFGHIWLD SVSCQGHEPA IWQCKHHEWG KHYCNHNEDA GVTCSDGSDL ELRLRGGGSR CAGTVEVEIQ RLLGKVCDRG WGLKEADVVC RQLGCGSALK TSYQVYSKIQ ATNTWLFLSS CNGNETSLWD CKNWQWGGLT CDHYEEAKIT CSAHREPRLV GGDIPCSGRV EVKHGDTWGS ICDSDFSLEA ASVLCRELQC GTVVSILGGA HFGEGNGQIW AEEFQCEGHE SHLSLCPVAP RPEGTCSHSR DVGVVCSRYT EIRLVNGKTP CEGRVELKTL GAWGSLCNSH WDIEDAHVLC QQLKCGVALS TPGGARFGKG NGQIWRHMFH CTGTEQHMGD CPVTALGASL CPSEQVASVI CSGNQSQTLS SCNSSSLGPT RPTIPEESAV ACIESGQLRL VNGGGRCAGR VEIYHEGSWG TICDDSWDLS DAHVVCRQLG CGEAINATGS AHFGEGTGPI WLDEMKCNGK ESRIWQCHSH GWGQQNCRHK EDAGVICSEF MSLRLTSEAS REACAGRLEV FYNGAWGTVG KSSMSETTVG VVCRQLGCAD KGKINPASLD KAMSIPMWVD NVQCPKGPDT LWQCPSSPWE KRLASPSEET WITCDNKIRL QEGPTSCSGR VEIWHGGSWG TVCDDSWDLD DAQVVCQQLG CGPALKAFKE AEFGQGTGPI WLNEVKCKGN ESSLWDCPAR RWGHSECGHK EDAAVNCTDI SVQKTPQKAT TGRSSRQSSH HHHHH

For Research Use Only. Not for use in diagnostic/therapeutics procedures.