

Product Information

MemDX™ Membrane Protein Human CD163 (CD163 molecule) for Antibody Discovery

Cat. No.: **MP0924J**

This product is for research use only and is not intended for diagnostic use.

This product is a 125.3 kDa Human CD163 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD163

Protein Length

Full-length

Protein Class

Druggable Genome, Secreted Protein, Transmembrane

Molecular Weight

125.3 kDa

TMD

1

Sequence

MSKLRMVLLLEDGSGADFRRHFNLSPTTITVLLLSACFVTSSLGGTDKELRLVDGENKCSGRVEVKVQE
EWGTVCNNGWSMEAVSVICNQLGCPTAIKAPGWANSSAGSGRIWMDHVSCRGNESALWDCKHDGWGKHSN
CTHQQDAGVTCSDGSNLEMLRTRGGNMCSGRIEIKFQGRWGTVCDDNFNIDHASVICRQLECGSAVSFSG
SSNFGEGSGPIWFDDLICNGNESALWNCKHQGWGKHNCDAEDAGVICSKGADLSRLVDGVTECSGRLE
VRFQGEWGTICDDGWDSYDAAVACKQLGCPTAVTAIGRVNASKGFGHIWLDVSCQGHEPAVWQCKHHEW
GKHYCNHNEDAGVTCSDGSDLELRLRGGGSRGAGTVEVEIQRLLGKVCDRGWGLKEADVCRQLGCGSAL
KTSYQVYSKIQATNTWFLSSCNGNETSLWDCKNWQWGGLTCDHYEEAKITCSAHREPRVLGGDIPCSGR
VEVKHGDWGSICDSDFSLEAASVLCRELQCGTVVSILGGAHFGEGNGQIWAEFQCEGHESHLSLCPVA
PRPEGTCSHSRDVGVCSSRYTEIRLVNGKTPCEGRVELKTLGAWGSLCNSHWDIEDAHVLCQQLKCGVAL
STPGGARFGKNGQIWRHMFHCTGTEQHMGDPCVTALGASLCPSEQVASVICSGNQSQTLSSCNSSSLGP
TRPTIPEESAVACIESGQLRLVNGGGRCAGRVEIYHEGSWGTICDDSWDLSDAHVVCRLGCGEAINATG
SAHFGEGTGPIWLDEMCKNGKESRIWQCHSHGWGQQNCRHKEDAGVICSEFMSLRLTSEASREACAGRL
VFYNGAWGTVGKSSMSETTVGVVCRQLGCADKGINPASLDKAMSIPMWVDNVQCPKGPDTLWQCPSSPW
EKRLASPSEETWITCDNKIRLQEGPTSCSGRVEIWHGGSWGTVCDDSWDLDDAQVVCQQLGCGPALKAFK
EAEFGQGTGPIWLNEVKCKGNESSLWDCPARRWGHSECGHKEDA AVNCTDISVQKTPQKATTGRSSRQSS
FIAVGILGVLLAIFVALFFLTKKRRQRQLAVSSRGENLVHQIQYREMNNSCLNADDLDLMNSSENSHES
ADFSAAELISVSKFLPISGMEKEAILSHTEKENGNL

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

CD163

Full Name

CD163 molecule

Introduction

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.

Alternative Names

M130; MM130; SCAR11

Gene ID

[9332](#)

UniProt ID

[Q86VB7](#)