

Product Information

MemDX™ Membrane Protein Human CD22 (CD22 molecule) for Antibody Discovery

Cat. No.: **MP0903J**

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

This product is a 95.2 kDa Human CD22 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

CD22

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

95.2 kDa

TMD

1

Sequence

MHLLGPWLLLLVLEYLAFSDSSKWVFEHPETLYAWEGACVWIPCTYRALDGDLESFILFHNPEYNKNTSK
FDGTRL YESTKDGKVPSEQKRVQFLGDKNKNTLSIHPVHLNDSGQLGLRMESKTEKWMERIHLNVSERP
FPPHIQLPPEIQESQEVTLTCLLNFSYGYPIQLQWLLEGVPMRQAAVTSTSLTIKSVFTRSELKFSPQW
SHHGKIVTCQLQDADGKFLSNDTVQLNVKHTPKLEIKVTPSDAIVREGDSVTMTCEVSSSNPEYTTVSWL
KDGTSLLKKQNTFTLNLREVTKDQSGKYCCQVSNDVGPRSEEVFLQVQYAPEPSTVQILHSPAVEGSQVE
FLCMSLANPLPTNYTWYHNGKEMQGRTEEKVHIPKILPWHAGTYSCVAENILGTGQRGPGAELDVQYPPK
KVTTVIQNPMPIREGDVTLTSCNYNSSNPSVTRYEWKPHGAWEPSLGVLKIQNVGWDNTTIACAACNSW
CSWASPVALNVQYAPRDVVRKIKPLSEIHSGNSVSLQCDFSSSHPKVEVQFFWEKNGRLLGKESQLNFD
ISPEDAGSYSCWVNNSIGQTASKAWTLEVLYAPRRLRVSMSPGDQVMEGKSATLTCESDANPPVSHYTWF
DWNNQSLPYHSQKLRLPEVKVQHSGAYWCQGTNSVGKGRSPLSTLTVYYSPETIGRRVAVGLGSCLA
LAICGLKLQRRWKRTQSQGLQENSSGQSFFVRNKKVRRAPLSEPHSLGCYNPMMEDGISYTTLRFP
EM NIPRTGDAESSEMQRPPDCDDTVTYSALHQRQVGDYENVIPDFPEDEGIHYSELIQFGVGERPQAQENV
DYVILKH

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**

CD22

Full Name

CD22 molecule

Introduction

Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules.

Alternative Names

SIGLEC2; SIGLEC-2

Gene ID

[933](#)

UniProt ID

[P20273](#)