

Product Information

MemDX™ Membrane Protein Human CD22 (CD22 molecule, 20-687aa) for Antibody

Discovery

Cat. No.: **MP1507J**

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

This product is a 77.9 kDa Human CD22 membrane protein expressed in Mammalian cell. 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

Partial (20-687aa)

Protein Class

Immune Checkpoints

Molecular Weight

77.9 kDa

TMD

1

Sequence

DSSKWWFEHPETLYAWEGACVWIPCTYRALDGDLESFILFHNPEYNKNTSKFDGTRLYESTKDGKVPSEQKRVQFLGDKNKNCTLS

Product Description

Activity

Yes

Expression Systems

Mammalian cell

Tag

C-6xHis

Form

Liquid or Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration).

Endotoxin

<1.0 EU/μg

Purity

>94% as determined by SDS-PAGE

Buffer

0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

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; B cell receptor CD22 precursor; B lymphocyte cell adhesion molecule; B-cell receptor CD22; B-lymphocyte cell adhesion molecule; BL CAM; BL-CAM; BLCAM; CD 22; CD22; CD22 antigen; CD22 molecule; CD22 protein; CD22_HUMAN; Lectin 2; Leu14; Lyb8; MGC130020; sialic acid binding Ig like lectin 2; Sialic acid binding immunoglobulin like lectin 2; Sialic acid-binding Ig-like lectin 2; SIGLEC 2; Siglec-2; SIGLEC2; T cell surface antigen Leu 14; T-cell surface antigen Leu-14

Gene ID

[933](#)

UniProt ID

[P20273](#)