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Product Information

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

Cat. No.: **MP0045Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 75 kDa Human CD22 membrane protein expressed in CHO. 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

Protein Class
Druggable Genome, Transmembrane

Molecular Weight
75 kDa

TMD
1

Sequence
SKWVFEHPETLYAWEGACVWIPCTYRALDGDLESFILFHNPEYNKNTSKFDGTRLYESTKDGKVPSEQKRVQFLGDKNKNCTLSIH

Product Description

Expression Systems
CHO

Tag
Tag Free

Form
Powder

Endotoxin

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< 1 EU/μg

Purity

>95% as determined by SDS-PAGE and Coomassie blue staining

Buffer

0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2

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

SIGLEC-2; SIGLEC2; B-cell receptor CD22; B-lymphocyte cell adhesion molecule BL-CAM; CD22 antigen; T-cell surface antigen Leu-14; sialic acid-binding Ig-like lectin 2; BL-CAM; Siglec-2; CD22

Gene ID

933

UniProt ID

P20273

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