

Recombinant Human CD22 Protein, His-tagged

Cat. No. CD22-543H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD22 molecule(CD22), transcript variant 1(NM_001771), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
Description	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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.330, without any preservatives.
Molecular Mass	95.2 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION
Gene Name

CD22 CD22 molecule [Homo sapiens]

Official Symbol

CD22

Synonyms

CD22; CD22 molecule; CD22 antigen; B-cell receptor CD22; sialic acid binding Ig like lectin 2; SIGLEC 2; SIGLEC2; BL-CAM; T-cell surface antigen Leu-14; B-lymphocyte cell adhesion molecule; sialic acid binding Ig-like lectin 2; sialic acid-binding Ig-like lectin 2; SIGLEC-2; FLJ22814; MGC130020;

Gene ID

933

mRNA Refseq

NM_001185099

Protein Refseq

NP_001172028

MIM

107266

UniProt ID

P20273

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