

Recombinant Mouse Cd22 Protein, MYC/DDK-tagged

Cat. No. Cd22-831M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse CD22 antigen (Cd22), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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.
Molecular Mass	97.6 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 g/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Cd22 CD22 antigen [*Mus musculus* (house mouse)]

Official Symbol Cd22

Synonyms Cd22; CD22 antigen; Lyb8; Lyb-8; A530093D23; B-cell receptor CD22; B-lymphocyte cell adhesion molecule; BL-CAM; T-cell surface antigen Leu-14; sialic acid-binding Ig-like lectin 2; siglec-2

Gene ID 12483

mRNA Refseq NM_001043317

Protein Refseq NP_001036782

UniProt ID P35329

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