

32-17951: Recombinant Mouse CD22 Protein, His Tag

Uniprot ID : P35329

Alternative Name : BL-CAM, Siglec-2

Description

Molecular Characterization: Mouse CD22(Arg19-Arg708) 6 \AA —His tag

Molecular weight: The protein has a predicted molecular mass of 78.2kDa after removal of the signal peptide. The apparent molecular mass of mCD22-His is approximately 130-180 kDa due to glycosylation.

Description: Recombinant mouse CD22 protein with C-terminal 6 \AA —His tag

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.[UniProtKB/Swiss-Prot Function]

Product Info

Amount : 100 μg / 50 μg

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

Storage condition : Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.