PRODUCT INFORMATION

Target	CD22
Synonyms	BL-CAM;Siglec-2
Description	Recombinant mouse CD22 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P35329
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	Mouse CD22(Arg19-Arg708) 6×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.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

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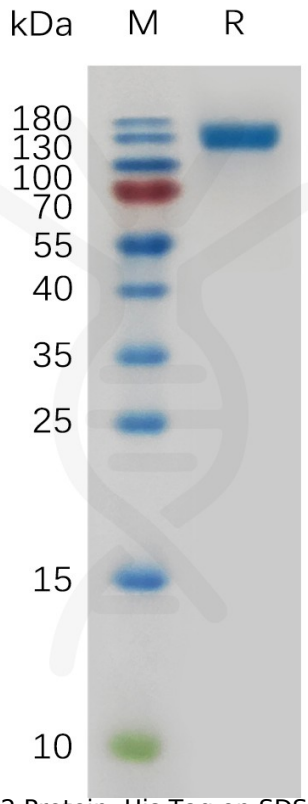


Figure 1. Mouse CD22 Protein, His Tag on SDS-PAGE under reducing condition.

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