MOUSE CD22 PROTEIN, HIS TAG

: 12185

: Mouse CD22

: 10/50/100 μg

BL-CAM;Siglec-2

: CD22

UNIPROT ID: P35329

: Recombinant mouse CD22 protein with C-terminal 6xHis 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]

／ : HEK293

: 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.

: Mouse CD22(Arg19-Arg708) 6×His tag

: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

: Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
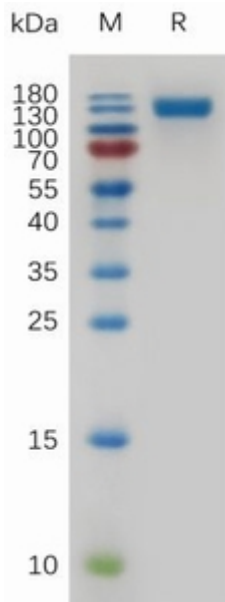
Figure 1. Mouse CD22 Protein, His Tag on SDS-PAGE under reducing condition.