Human CellExp™ Siglec-2 / CD22, Mouse Recombinant

CATALOG NO: P1330-10 10 µg
P1330-50 50 µg

ALTERNATE NAMES: CD22, SIGLEC2, BL-CAM, Leu-14

SOURCE: HEK 293 cells (Ser 22 - Arg 702)

PURITY: > 95% by SDS – PAGE

MOL. WEIGHT: This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 78.3 kDa. The protein migrates as 100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

ENDOTOXIN LEVEL: < 1.0 EU per 1µg of protein (determined by LAL method)

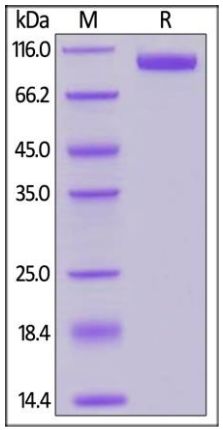
FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month.

DESCRIPTION: B-cell receptor CD22 is also known as Sialic acid-binding Ig-like lectin 2 (Siglec-2), B-lymphocyte cell adhesion molecule (BL-CAM), T-cell surface antigen Leu-14, which belongs to the immunoglobulin superfamily and SIGLEC (sialic acid binding Ig-like lectin) family. CD22 mediates B-cell B-cell interactions, and may be involved in the localization of B-cells in lymphoid tissues. Siglec-2 / CD22 binds sialylated glycoproteins, one of which is CD45. Siglec2 / CD22 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.



Mouse Siglec-2, His Tag on SDS-PAGE under reducing (R) condition

RELATED PRODUCT:

- Human CellExp™ Siglec-2 /CD22 isoform beta, Human Recombinant **(Cat. No. P1171)**
- Human CellExp™ CD155, human recombinant **(Cat. No. 7462-10, -50)**
- Human CellExp™ CD160/BY55, human recombinant **(Cat. No. 7386-10, -50)**
- Human CellExp™ CD166/ ALCAM, human recombinant **(Cat. No. 7437-10, -50)**
- Human CellExp™ CD172A / SIRP, human recombinant (**Cat. No. 7506-10, -50)**
- Human CellExp™ CD33 / SIGLEC-3, human recombinant **(Cat. No. 7370-10, -50)**
- Human CellExp™ CD47, human recombinant **(Cat. No. 7385-10, -50)**
- Human CellExp™ CD55/DAF, human recombinant **(Cat. No. 7432-10, -50)**
- Human CellExp™ CD58 /LFA-3, human recombinant **(Cat. No. 7427-10, -50)**
- Human CellExp™ CD62E/E-Selectin, human recombinant **(Cat. No. 7434-20, -100)**
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (**Cat. No. 7279-10, -50**
- Human CellExp™ CD273, human recombinant **(Cat. No. 7369-10, -50)**
- Human CellExp™ CD36, human recombinant **(Cat. No. 7371-10, -50)**
- Human CellExp™ CD87, human recombinant **(Cat. No. 7372-20, -100)**

FOR RESEARCH USE ONLY! Not to be used on humans.