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Recombinant Human SIGLEC2/CD22 Protein (His Tag)

PDMH100024 Catalog No.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms B-cell receptor CD22;BL-CAM;B-lymphocyte cell adhesion molecule;CD22

antigenMGC130020;CD22 molecule;CD22;sialic acid binding Ig-like lectin

2;Siglec-2;SIGLEC2FLJ22814;T-cell surface antigen Leu-14;SIGLEC-2;Siglec-2

Species Human

HEK293 Cells **Expression Host** Asp20-Arg687 Sequence

P20273 Accession Calculated Molecular Weight 76.2 kDa Observed molecular weight 100-140 kDa C-His Tag

Bioactivity Not validated for activity

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to **Storage**

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

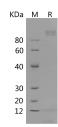
protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution

of 0.5 mg/mL. Concentration is measured by UV-Vis

Data



> 95 % as determined by reducing SDS-PAGE.

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017 Email: techsupport@elabscience.com

Web: www.elabscience.com

Elabscience Bionovation Inc.



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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.

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