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32-17005: Recombinant human CD22 protein with C-terminal human Fc and 6Ã—His tag

Alternative Name : CD22, SIGLEC2, BL-CAM, SIGLEC-2, Siglec2, SIGLEC2FLJ22814

Description

Expression Host : HEK293
The protein has a predicted molecular mass of 102.1 kDa after removal of the signal peptide. The apparent molecular mass of CD22-hFc-His is approximately 130-180 kDa due to glycosylation.
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.

Product Info

Amount :	50 µg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

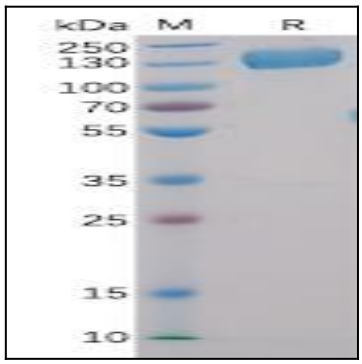

Figure 1. Human CD22, hFc-His Tag on SDS-PAGE under reducing condition.

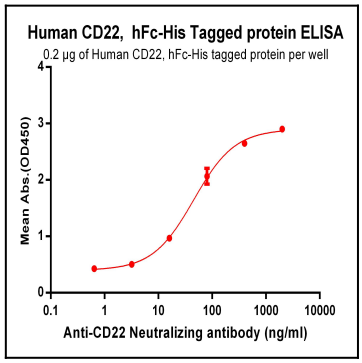

Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD22, hFc-His tagged protein can bind Anti-CD22 Neutralizing antibody in a linear range of 3.2-400 ng/ml.