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Datasheet for ABIN7505557

CD22 Protein (AA 24-331) (His tag)

Overview

Quantity:	100 µg
Target:	CD22
Protein Characteristics:	AA 24-331
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD22 protein is labelled with His tag.

Product Details

Sequence:	Trp 24-Thr 331
Characteristics:	A DNA sequence encoding the Rat CD22/Siglec-2 protein (D3ZD88) (Trp 24-Thr 331) was expressed with N-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	CD22
Alternative Name:	CD22 (CD22 Products)
Background:	Abbreviation: CD22,Siglec-2 Target Synonym: CD22 antigen,Cd22, 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

Target Details

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.

Molecular Weight: Calculated MW: 33.77 kDa
Observed MW: 39 kDa

UniProt: [D3ZD88](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

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

Expiry Date: 12 months