

Rev01
 Update: Dec,30,2024

DATASHEET

Siglec-2/CD22[Biotin], His & Avi, Human

Cat. No.: Z04100

Product Introduction

Species	Human
Protein Construction	<div> <div>Siglec-2/CD22 (Asp20-Arg687) Accession # P20273-1</div> <div>His</div> <div>Avi</div> </div> <div>N-termC-term</div>
Conjugate	Biotin
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Siglec-2/CD22[Biotin], His & Avi, Human at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml) can bind Anti-Siglec-2 Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	78.1 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 110-120 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from a 0.22 µm filtered solution in PBS, (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : CD22, or cluster of differentiation-22, is a molecule belonging to the SIGLEC family of lectins. It is found on the surface of mature B cells and to a lesser extent on some immature B cells. CD22 a member of the immunoglobulin superfamily. CD22 functions as an inhibitory receptor for B cell receptor (BCR) signaling. It is also involved in the B cell trafficking to Peyer's patches in mice.

Synonyms : CD22 molecule; CD22; Siglec-2; B-cell receptor CD22; BL-CAM; SIGLEC2; SIGLEC2FLJ22814

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