


Rev02
 Update: Aug,08,2025

DATASHEET

Siglec-4a/MAG[Biotin], His & Avi, Human

Cat. No.: Z04598

Product Introduction

Species	Human
Protein Construction	 <p>Siglec-4a/MAG (Gly20-Pro516) Accession # P20916</p> <p>N-term His Avi C-term</p>
Conjugate	Biotin
Purity	<p>> 95% as determined by BisTris PAGE</p> <p>> 95% as determined by HPLC</p>
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized AntiSiglec4a Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate can bind Siglec-4a/MAG[Biotin], His & Avi, Human. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	57.6 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 78-85 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm 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 : Siglec-4a, also known as Myelin-Associated Glycoprotein (MAG), is a type I transmembrane glycoprotein belonging to the Siglec family, a subgroup of the Ig superfamily. Adhesion molecule that mediates interactions between myelinating cells and neurons by binding to neuronal sialic acid-containing gangliosides and to the glycoproteins RTN4R and RTN4RL2 (By similarity).

Synonyms : MAG; Siglec4a; Siglec-4a; S-MAG; GMA

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