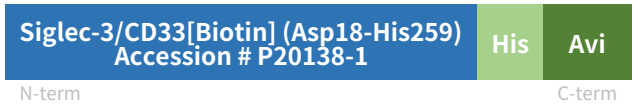
Rev03
Update: Aug,08,2025

DATASHEET

Siglec-3/CD33[Biotin], His & Avi, Human

Cat. No.: Z04101

Product Introduction

Species	Human
Protein Construction	
Purity	> 95% as determined by BisTris PAGE
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	29.6 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 48-58 kDa based on Bis-Tris PAGE result.
Formulation	Supplied as 0.22μm filtered solution in 50mM MES, 500mM NaCl, 200mM L-arginine (pH 7.4).
Concentration	Verified by one or more methods from A280/Bioactivity/BCA/Bradford.
Storage & Stability	This product remains stable for 6 months at -80°C or below. Avoid repeated freeze-thaw cycles.

Background

Target Background : Sialic-acid-binding immunoglobulin-like lectin (Siglec) that plays a role in mediating cell-cell interactions and in maintaining immune cells in a resting state.They are sialoadhesin/CD169/Siglec-1, CD22/Siglec-2, CD33/Siglec-3, Myelin-Associated Glycoprotein (MAG/Siglec-4a) and Siglecs 5 to 11. To date, no Siglec has been shown to recognized any cell surface ligand other than sialic acids, suggesting that interactions with glycans containing this carbohydrate are important in mediating the biological functions of Siglecs.

Synonyms : CD33 molecule; CD33; FLJ00391; gp67; Siglec3; Siglec-3; p67

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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