Rev03
Update: Aug,08,2025

DATASHEET

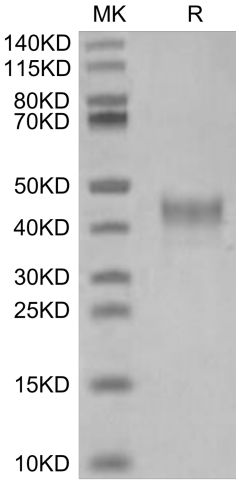
Siglec-3/CD33, His, Mouse

Cat. No.: Z04347

Product Introduction

Species	Mouse
Protein Construction	Siglec-3/CD33 (Asp18-Glu240) Accession # Q63994-1 — His N-term — C-term
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	25.72 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 40-50 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.

Examples



Siglec-3/CD33, His, Mouse on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

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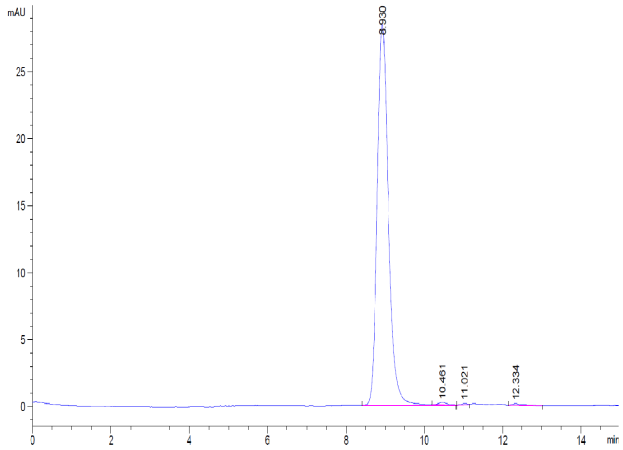

The purity of Siglec-3/CD33, His, Mouse is greater than 95% as determined by SEC-HPLC.

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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