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## Recombinant human SIGLEC9 protein, C-His-Avi (HEK293)

Catalog Number: bs-47199P

Concentration: >0.5 mg/ml

AA Seq: 18-348/463

Predicted MW: 38.9

Detected MW: Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.

Tags: C-His-Avi

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC

Purification: AC

Form: Lyophilized

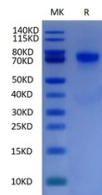
Storage: Lyophilized from 0.22μm filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

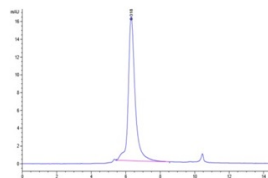
**Background:** Two families of mammalian lectin-like adhesion molecules bind glycoconjugate ligands in a sialic acid-dependent manner: the selectins and the sialoadhesins. The sialic acid-binding immunoglobulin superfamily lectins, designated siglecs or sialoadhesins, are immunoglobulin superfamily members recognizing sialylated ligands. The common sialic acids of mammalian cells are N-acetyl-neuraminic acid (Neu5Ac) and N-glycolyl-neuraminic acid (Neu5Gc). Siglec-1 mediates local cell-cell interactions in lymphoid tissues and can be detected at contact points of macrophages with other macrophages, sinus-lining cells and reticulum cells. Siglec-7, highly expressed in monocytes and resident blood cells, but not in parenchymatous cells, mediates inhibition of natural killer cell cytotoxicity. Siglec-9 is closely homologous to Siglec-7; the gene encoding it maps to chromosome 19q13.41 in humans. It is highly expressed in peripheral blood leukocytes (but not eosinophils), liver, bone marrow, placenta and spleen. Siglec-8, a type I membrane protein, is selectively expressed on human eosinophils, basophils and mast cells, where it regulates their function and survival.

### VALIDATION IMAGES

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Recombinant human siglec 9 Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Recombinant human siglec 9 Protein is greater than 95% as determined by SEC-HPLC.