

## Biotinylated Human Siglec-3/CD33 Protein, His-Avi Tag

### 产品信息

产品名称	产品编号	规格
Biotinylated Human Siglec-3/CD33 Protein, His-Avi Tag	93151ES60	100 µg
	93151ES76	500 µg
	93151ES80	1 mg

### 产品描述

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 recognize 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.

### 产品性质

<b>Synonyms</b>	CD33 molecule; CD33; FLJ00391; gp67; Siglec3; Siglec-3; p67
<b>Uniprot No.</b>	P20138-1
<b>Source</b>	Recombinant Biotinylated Human Siglec-3/CD33 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Asp18-His259.
<b>Molecular Weight</b>	The protein has a predicted MW of 29.6 kDa. Due to glycosylation, the protein migrates to 48-58 kDa based on Tris-Bis PAGE result.
<b>Physical Appearance</b>	Liquid Solution
<b>Purity</b>	> 95% as determined by SDS-PAGE and > 90% as determined by HPLC
<b>Endotoxin</b>	< 1.0 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Supplied as 0.22µm filtered solution in 20mM PB, 500mM NaCl (pH 8.0).

### 运输与保存方法

The products are shipped with ice pack and can be stored at -80°C for 1 year.

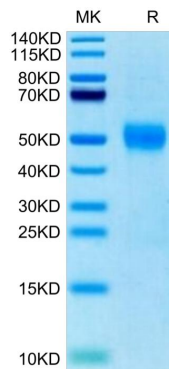
Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

### 注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

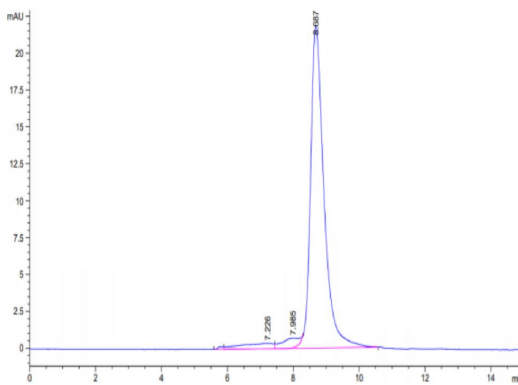
## 产品数据

### Tris-Bis PAGE



Biotinylated Human Siglec-3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

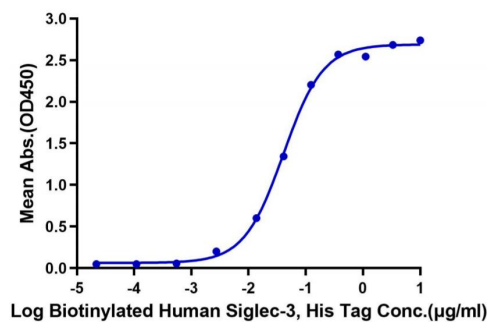
### SEC-HPLC



The purity of Biotinylated Human Siglec-3 is greater than 90% as determined by SEC-HPLC.

### ELISA Data

**Biotinylated Human Siglec-3, His Tag ELISA**  
 0.05 $\mu$ g Anti-Siglec-3 Antibody, hFc Tag Per Well



Immobilized Anti-Siglec-3 Antibody, hFc Tag at 0.5 $\mu$ g/mL (100 $\mu$ l/well) on the plate. Dose response curve for Biotinylated Human Siglec-3, His Tag with the  $EC_{50}$  of 40.9ng/mL determined by ELISA.