

## Siglec-8 Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78513
Synonyms:	CDw329; MGC59785; SAF2; SAF2SAF-2; Siglec-8; SIGLEC8L; SIGLEC8
Species:	Human
Source:	HEK293
Accession:	Q9NYZ4 (M17-A363)
Gene ID:	27181
Molecular Weight:	50-60 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	Siglec-8 protein, identified as a putative adhesion molecule, serves as a mediator for sialic-acid dependent binding to red blood cells. It exhibits a preference for binding to alpha-2,3-linked sialic acid and also interacts with alpha-2,6-linked sialic acid. Notably, the sialic acid recognition site of Siglec-8 may be concealed due to cis interactions with sialic acids present on the same cell surface. Furthermore, it has the ability to simultaneously recognize epitopes featuring a terminal N-acetylneuraminic acid (sialic acid) and an underlying 6-O-sulfated galactose, with a specific affinity for Gal-6-sulfated sialyl-Lewis X glycan epitopes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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