

## Siglec-8 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P71312
Synonyms:	Siglec8; Siglec-8; SAF2; SAF2SAF-2; SAF-2; CD329 antigen; CDw329
Species:	Human
Source:	HEK293
Accession:	Q9NYZ4 (M17-A363)
Gene ID:	27181
Molecular Weight:	80-100 kDa

### PROPERTIES

AA Sequence	<p> MEGDRQYGDG    YLLQVQELVT    VQEGLCVHVP    CSFSYPQDGW  TDS DPVHGYW    FRAGDRPYQD    APVATNNPDR    EVQAETQGRF  QLLGDIWSND    CSLSIRDARK    RDKGSYFFRL    ERGSMKWSYK  SQLNYKTKQL    SVFVTALTHR    PDILILGTLE    SGHSRNLTC S  VPWACKQGTP    PMISWIGASV    SSPGPTTARS    SVLTLTTPKPQ  DHGTS L TCQV    TLPGTGVTTT    STVRLDVSY P    PWNLTMTVFQ  GDATAS TALG    NGSSLSVLEG    QSLRLVCAVN    SNPPARLSWT  RGS L TLCP SR    SSNPGLLELP    RVHVRDEGE F    TCRAQNAQGS  QHISLSLSLQ    NEG TGTSRPV    SQVT LAA </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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
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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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA