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**Product Data Sheet**


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Product Name: SIGLEC10 Human  
 Cat. No.: GP26336  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	SIGLEC10, PRO940, SLG2, SIGLEC-10, Sialic acid-binding Ig-like lectin 10 isoform 3, Siglec-like protein 2.		
Amino Acid Sequence	<p>MDGRFWIRVQ ESVMVPEGLC ISVPCSFSTYP RQDWTGSTPA YGYWFKAVTE        TTKGAPVATNHQSREVEMST RGRFQLTGDP AKGNCSLVIR DAQMQUESQY        FFRVERGSYV RYNFMNDGFFLKVTALTQKP DVYIPETLEP GQPVTVICVF        NWAFFEECPPP SFSWTGAALS SQGTKPTTSHFSVLSFTPRP QDHNTDLTCH        VDFSRKGVSA QRTVRLRVAY APRDLVISIS RDNTPALEPQPQGNVPYLEA        QKGQFLRLLC AADSQPPATL SWVLQNRVLS SSHPWGPRL        GLELPGVKAGDSGRYTCRAE NRLGSQQRAL DLSVQYPPEN LRVMVSQANR        TVLENLGNGT SLPVLEGQSLCLVCVTHSSP PARLSWTQRG QVLSPSQPSD        PGVLELPRVQ VEHEGEFTCH ARHPLGSQHVLSLSVHYKK GLISTAFSNL        EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISRTPEVTCVVVD        VSHEDPEVKF NWWYVDGVEVH NAKTKPREEQ YNSTYRVVSV        LTVLHQDWLNGKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR        DELTKNQVSL TCLVKGFYPSDIAVEWESNG QPENNYKTP PVLDSGDSFF        LYSKLTVDKS RWQQGNVFSC SVMHEALHNN YTQKSLSLSP GKHHHHHH.</p>		
Formulation	The SIGLEC10 solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

**Introduction**

Sialic Acid Binding Ig Like Lectin 10(SIGLEC10) is a part of the immunoglobulin superfamily that is expressed on eosinophils, B cells, monocytes and neutrophils. SIGLEC10 is an adhesion molecule that mediates sialic-acid dependent binding to cells. SIGLEC10 is a ligand for CD52, the target of the therapeutic monoclonal antibody Alemtuzumab. Also, it binds to Vascular adhesion protein 1 (VAP-1) and to the co-

**Caution: Product has not been fully validated for medical applications. For research use only.**

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stimulatory molecule CD24. This binding is modulated by cis interactions of SIGLEC10 with sialated molecules on the same cell.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

SIGLEC10 Human produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 678 amino acids (17-455 a.a.) and having a molecular mass of 75.6kDa. SIGLEC10 is expressed with a 239 hlgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

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