

## 32-13425: SIGLEC10 Human

**Alternative Name :** SIGLEC10, PRO940, SLG2, SIGLEC-10, Sialic acid-binding Ig-like lectin 10 isoform 3, Siglec-like protein 2.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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

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 hIgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 85.0% as determined by SDS-PAGE.

**Content :** The SIGLEC10 solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** 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.

**Amino Acid :** MDGRFWIRVQ ESVMVPEGLC ISVPCSFYYP RQDWTGSTPA YGYWFKAVTE TTKGAPVATNHQSREVEVEMST RGRFQLTGDP AKGNCSLVIR DAQMQDESY FFRVERGSYV RYNFMNDGFFLKVTALTQKP DVYIPETLEP GQPVTVICVF NWAFFEECP PP SFSWTGAALS SQGKPTTSHFSVLSFTPRP QDHNTDLTCH VDFSRKGVSA QRTVRLRVAY APRDLVISIS RDNTPALEPQPQGNVPYLEA QKGQFLRLLC AADSQPPATL SWVLQNRVLS SSHPWGPRL GLELPGVKAGDSGRYTCRAE NRLGSQQRAL DLSVQYPPEN LRVMVSQANR TVLENLNGGT SLPVLEGQSLCLVCVTHSSP PARLSWTQRG QVLSPSQPSD PGVLELPRVQ VEHEGEFTCH ARHPLGSQHVSLSLSVHYKK GLISTAFSNL EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISRTPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLNGKEYKCKVSN KALPAPIEKT ISKAKQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPSDIAVEWESNG QPENNYKTP PVLDSGDSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNNH YTQKLSLSLP GKHHHHHHH.