

Siglec-6 Protein, Human (HEK293, Fc)

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| Cat. No.: | HY-P71031 |
| Synonyms: | CD327; CD33 antigen-like 1; CD33L1; CDw327; OB-BP1; Siglec6; Siglec-6 |
| Species: | Human |
| Source: | HEK293 |
| Accession: | O43699-3 (E27-V331) |
| Gene ID: | 946 |
| Molecular Weight: | 70-90 kDa |

PROPERTIES

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| AA Sequence | <pre> ERRFQLEGPE SLTVQEGLCV LVPCRLPTTL PASYYGYGYW FLEGADVPVA TNDPDEEVQE ETRGRFHLLW DPRRKNCSSL IRDARRRDNA AYFFRLKSKW MKYGYTSSKL SVRVMALTHR PNISIPGTLE SGHPSNLTC VPWVCEQGTP PIFSWMSAAP TSLGPRTTQS SVLTI TPRPQ DHSTNLTCQV TFPGAGVTME RTIQ LNVSSF KILQNTSSLP VLEGQALRLL CDADGNPPAH LSWFQGF PAL NATPISNTGV LELPQVGS AE EGDFTCRAQH PLGSLQISLS LFVHWKPEGR AGGV </pre> |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.5. |
| 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 ₂ 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

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| Background | The Siglec-6 Protein is a putative adhesion molecule that functions by mediating sialic acid-dependent binding to cells, specifically binding to alpha-2,6-linked sialic acid. Notably, the sialic acid recognition site of Siglec-6 may be masked by cis interactions with sialic acids on the same cell surface, suggesting a dynamic regulation of its binding properties. In addition to its adhesion role, Siglec-6 interacts with LEP, implying its involvement in cellular interactions and signaling processes. |
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The multifaceted nature of Siglec-6 underscores its potential as a key player in sialic acid-mediated cellular adhesion and communication pathways.

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

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