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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Recombinant Mouse SIGLEC3/CD33 Protein (His Tag)

Catalog No. PKSM041206

Description

Synonyms	CD33;Myeloid cell surface antigen CD33;Sialic acid-binding Ig-like lectin 3;Siglec-3;Siglec3;gp67
Species	Mouse
Expression_host	Human Cells
Sequence	Asp18-Glu240
Accession	Q63994-1
Mol_Mass	25.7 kDa
AP_Mol_Mass	40 kDa
Tag	C-6His

Properties

Purity	> 95 % as determined by SDS-PAGE
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Reconstitution	Please refer to it for detailed information.

Background

Mouse myeloid cell surface antigen CD33(CD33) is a member of the immunoglobulin superfamily and SIGLEC (sialic acid binding Ig-like lectin) family. CD33 contains one Ig-like C2-type domain and one Ig-like V-type domain. CD33 is a putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid dependent binding to cells. CD33 preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, CD33 may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. CD33 induces apoptosis in acute myeloid leukemia. CD33 is becoming increasingly important as a target of antibody-mediated therapy in acute myeloid leukaemia (AML).

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