

Recombinant Mouse Sialic Acid Binding Ig-like Lectin 3 Protein

Cat.NO.: TP05543

3th Edition

Synonyms:CD33;Myeloid cell surface antigen CD33;Sialic acid-binding Ig-like lectin 3;Siglec-3;Siglec3

Description: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).

Form:PBS

Molecular Weight:25.7 kDa

Sequences:Met 1-Glu 240

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.