

## 32-8487: Recombinant Mouse Sialic Acid Binding Ig-Like Lectin 3/Siglec-3/CD33 (C-6His)

**Gene :** Cd33  
**Gene ID :** 12489  
**Uniprot ID :** Q63994

### Description

Source: Human Cells.  
MW :25.7kD.

Recombinant Mouse Sialic Acid Binding Ig-like Lectin 3 is produced by our Mammalian expression system and the target gene encoding Asp18-Glu240 is expressed with a 6His tag at the C-terminus. 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).

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** DLEFQLVAPESVTVEEGLCVHVPCSVFYPSIKLTLGPVTGSWLRKGVSLHEDSPVATSDPRQLVQKATQGRFQL  
LGDPQKHDCSLFIRDAQKNDTGMYYFRVREPFVRYSYKKSQSLHVTLSRTPDIIPGTLEAGYPSNLTCSPV  
WACEQGTPTFSWMSTALTSLSRRTDSSVLTFTFPQPQDHGKTLCLVTFSGAGVTVERTIQLNVTRKSGQMR  
EVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.