

Recombinant Mouse Cd33 Antigen Protein, Fc-tagged, Alexa Fluor 647 conjugated

Cat. No. Cd33-6889MAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the extracellular domain of mouse Cd33 (Met 1 - Glu 240) (Alexa Fluor 647 conjugated) was fused with the Fc region of human IgG1 at the C-terminus. It comprises 465 amino acids and has a calculated molecular mass of 51.6 kDa.
Species	Mouse
Source	HEK293
ProteinLength	465
Description	Mouse myeloid cell surface antigen Cd33 is a single-pass type I membrane protein which belongs to the immunoglobulin superfamily and SIGLEC (sialic acid binding Ig-like lectin) family. Cd33 contains 1 Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain.
Form	Lyophilized
Molecular Mass	The secreted recombinant mouse Cd33/Fc is a disulfide-linked homodimer. The reduced monomer comprises 465 amino acids and has a calculated molecular mass of 51.6 kDa. As a result of glycosylation, the apparent molecular mass of rm CD33/Fc monomer is approximately 55 - 60 kDa in SDS-PAGE under reducing conditions.
N-terminal Sequence	Gln 17

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Analysis	
Endotoxin	< 0.06 EU/ µg as determined by LAL test.
Purity	> 90 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	Cd33 CD33 antigen [<i>Mus musculus</i>]
Official Symbol	Cd33
Synonyms	CD33; CD33 antigen; myeloid cell surface antigen CD33; sialic acid-binding Ig-like lectin 3; gp67; Siglec-3;
Gene ID	12489

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mRNA Refseq	NM_001111058
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Protein Refseq	NP_001104528
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