

# Recombinant Mouse Cd33 Antigen Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** Cd33-6889MAF555    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the extracellular domain of mouse Cd33 (Met 1 - Glu 240) (Alexa Fluor 555 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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	465
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	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.
<b>N-terminal Sequence</b>	Gln 17

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<b>Analysis</b>	
<b>Endotoxin</b>	< 0.06 EU/ µg as determined by LAL test.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.
<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.
<b>Conjugation</b>	Alexa Fluor 555

## GENE INFORMATION

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

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Gene ID	12489
mRNA Refseq	NM_001111058
Protein Refseq	NP_001104528

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