

# Active Recombinant Human CD33 Protein, Fc-tagged, Alexa Fluor® 647 conjugated

Cat. No. CD33-26H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human Alexa Fluor® 647 conjugated Siglec-3 (Asp18-His259)(Val257Leu) protein with human IgG1 (Pro100-Lys330) Fc tag at C-terminus was expressed in mouse myeloma cell line.
<b>Species</b>	Human
<b>Source</b>	NS0
<b>Description</b>	Enables protein phosphatase binding activity and sialic acid binding activity. Involved in several processes, including negative regulation of cytokine production; negative regulation of monocyte activation; and positive regulation of protein tyrosine phosphatase activity. Located in several cellular components, including Golgi apparatus; external side of plasma membrane; and peroxisome.
<b>Form</b>	Disulfide-linked homodimer Labeled with Alexa Fluor® 647 via amines Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Bio-activity</b>	Measured by flow cytometry for its ability to bind anti-human Siglec-3/CD33 Monoclonal Antibody conjugated beads. The concentration of Recombinant Human Siglec-3/CD33 Fc Chimera Alexa Fluor® 647 that produces 50% of the binding response is 0.50-20.0 ng/mL.

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<b>Molecular Mass</b>	53.4 kDa
<b>N-terminal Sequence Analysis</b>	Asp18
<b>Endotoxin</b>	<1.0 EU/μg of the protein by the LAL method.
<b>Purity</b>	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
<b>Storage</b>	Protect from light. Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after opening. 3 months, -20 to -70 centigrade under sterile conditions after opening.
<b>Storage Buffer</b>	Supplied as a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
<b>Shipping</b>	The product is shipped with dry ice or equivalent.
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

<b>Gene Name</b>	CD33 CD33 molecule [ Homo sapiens (human) ]
<b>Official Symbol</b>	CD33
<b>Synonyms</b>	CD33; CD33 molecule; p67; SIGLEC3; SIGLEC-3; myeloid cell surface antigen CD33; CD33 antigen (gp67); CD33 molecule transcript; gp67; sialic acid-binding Ig-like lectin 3

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<b>Gene ID</b>	945
<b>mRNA Refseq</b>	M23197
<b>Protein Refseq</b>	AAA51948
<b>MIM</b>	159590
<b>UniProt ID</b>	P20138

