

Active Recombinant Human CD33 Protein, Fc-tagged, Alexa Fluor® 488 conjugated

Cat. No. CD33-25H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human Alexa Fluor® 488 conjugated Siglec-3 (Asp18-His259)(Val257Leu) protein with human IgG1 (Pro100-Lys330) Fc tag at C-terminus was expressed in mouse myeloma cell line.
Species	Human
Source	NS0
Description	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.
Form	Disulfide-linked homodimer Labeled with Alexa Fluor® 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Bio-activity	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® 488 that produces 50% of the binding response is 2.50-50.0 ng/mL.

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Molecular Mass	53.4 kDa
N-terminal Sequence Analysis	Asp18
Endotoxin	<1.0 EU/μg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	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.
Storage Buffer	Supplied as a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
Shipping	The product is shipped with dry ice or equivalent.
Conjugation	Alexa Fluor 488

GENE INFORMATION

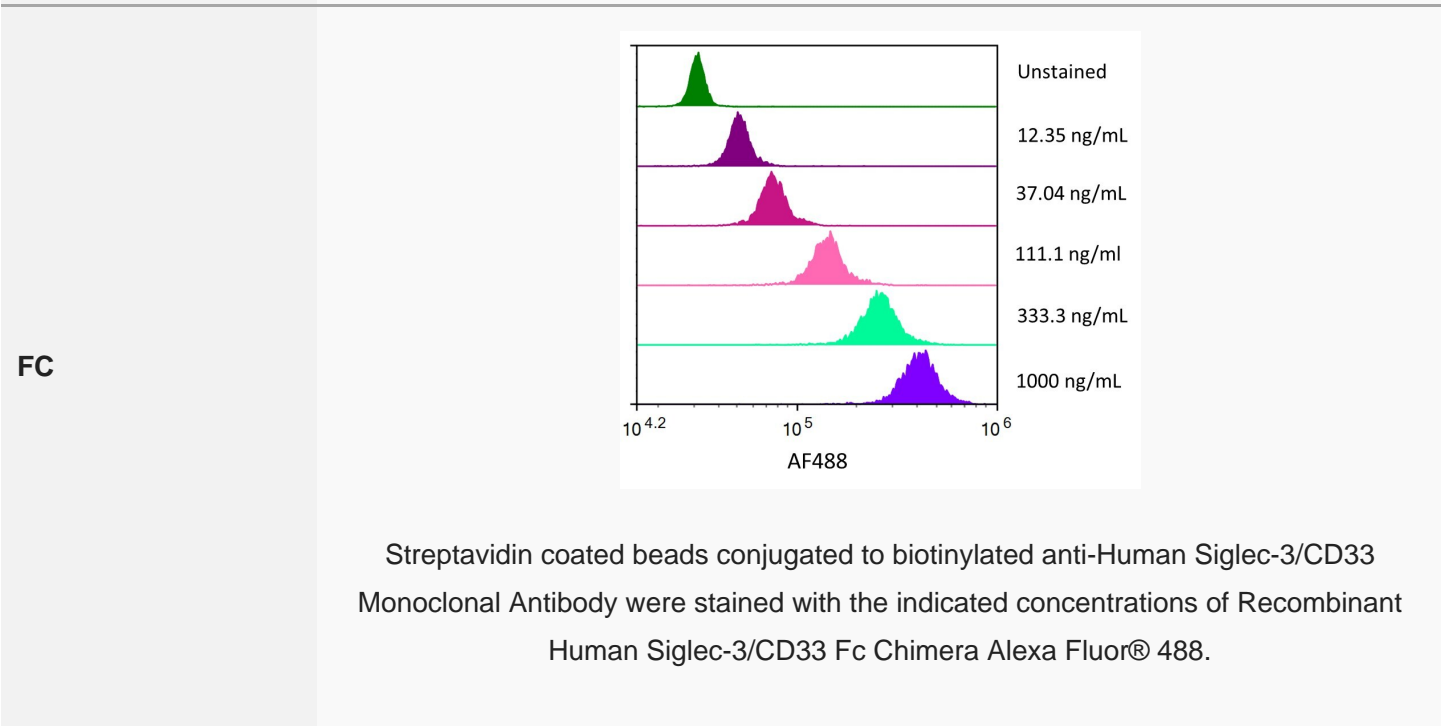
Gene Name	CD33 CD33 molecule [Homo sapiens (human)]
Official Symbol	CD33
Synonyms	CD33; CD33 molecule; p67; SIGLEC3; SIGLEC-3; myeloid cell surface antigen CD33; CD33 antigen (gp67); CD33 molecule transcript; gp67; sialic acid-binding Ig-like lectin 3

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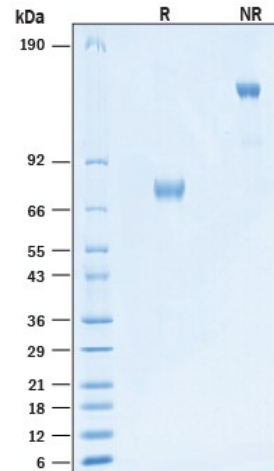
Gene ID	945
mRNA Refseq	M23197
Protein Refseq	AAA51948
MIM	159590
UniProt ID	P20138



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SDS-PAGE

2 µg/lane of Recombinant Human Siglec-3/CD33 Fc Alexa Fluor® 488 Protein was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized by Coomassie® Blue staining, showing bands at 67-85 kDa and 130-170 kDa, respectively.

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