

## Alexa Fluor® 647 anti-human CD33 Antibody

<b>Catalog# / Size</b>	366625 / 25 tests 366626 / 100 tests
<b>Clone</b>	P67.6
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Siglec-3, gp67, p67
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	CD33, also known as Siglec-3, gp67, and p67, is a 67 kD type I transmembrane glycoprotein. It is a sialoadhesion immunoglobulin superfamily member, which is expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells, and mast cells. CD33 is absent on normal platelets, lymphocytes, erythrocytes, and hematopoietic stem cells. CD33 functions as a sialic acid-dependent cell adhesion molecule with carbohydrate/lectin binding activity.

### Product Details

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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	FMY9S5 cells expressing CD33 gene.
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our <a href="#">Concentration and Expiration Lookup</a> or <a href="#">Certificate of Analysis</a> online tools.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.  * Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.  Alexa Fluor® and Pacific Blue™ are trademarks of Life Technologies Corporation.  <a href="#">View full statement regarding label licenses</a>
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>Application References</b>	1. Hoyer J, <i>et al.</i> 2008. <i>Am. J. Clin. Pathol.</i> 129:316.
<b>(PubMed link indicates BioLegend citation)</b>	
<b>RRID</b>	AB_2721416 (BioLegend Cat. No. 366625) AB_2721417 (BioLegend Cat. No. 366626)

### Antigen Details

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<b>Structure</b>	Ig superfamily, sialoadhesins, type I glycoprotein, 67 kD
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<b>Distribution</b>	Myeloid progenitor, monocytes, granulocytes, dendritic cells, and mast cells.
<b>Function</b>	Adhesion and lectin binding activity.
<b>Ligand/Receptor</b>	Sugar chains containing sialic acid.
<b>Cell Type</b>	Dendritic cells, Granulocytes, Hematopoietic stem and progenitors, Mast cells, Monocytes
<b>Biology Area</b>	Cell Biology, Immunology, Neuroinflammation, Neuroscience
<b>Molecular Family</b>	CD Molecules, Siglec Molecules
<b>Antigen References</b>	1. Favalaro E, <i>et al.</i> 1988. <i>Br. J. Haematol.</i> 69:163. 2. Freeman S, <i>et al.</i> 1995. <i>Blood</i> 85:2005.
<b>Gene ID</b>	<a href="#">945</a>

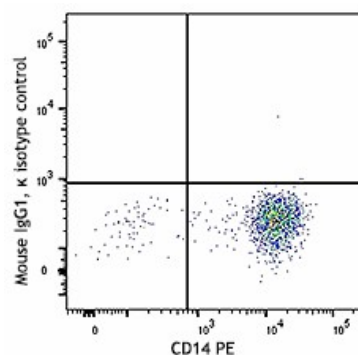
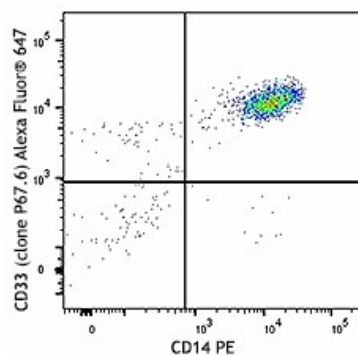
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Purified anti-human CD33, Purified anti-CD33, APC anti-human CD33, PE anti-human CD33, Brilliant Violet 510™ anti-human CD33, Brilliant Violet 605™ anti-human CD33, APC/Cyanine7 anti-human CD33, PerCP/Cyanine5.5 anti-human CD33, PE/Cyanine7 anti-human CD33, FITC anti-human CD33, Brilliant Violet 421™ anti-human CD33, Biotin anti-human CD33, Alexa Fluor® 647 anti-human CD33, Brilliant Violet 711™ anti-human CD33, TotalSeq™-A0052 anti-human CD33, APC/Fire™ 750 anti-human CD33, TotalSeq™-C0052 anti-human CD33, TotalSeq™-B0052 anti-human CD33, TotalSeq™-D0052 anti-human CD33

## Product Data



Human peripheral blood monocytes were stained with CD14 PE and CD33 (clone P67.6) Alexa Fluor® 647 (Top) or mouse IgG1, κ Alexa Fluor® 647 (Bottom).

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BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 [www.biolegend.com](http://www.biolegend.com)  
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587