

## Brilliant Violet 605™ anti-human CD66b Antibody

<b>Catalog# / Size</b>	392923 / 25 tests 392924 / 100 tests
<b>Clone</b>	6/40c
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	CEACAM8, CD67, CGM6, NCA-95
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	CD66b is a 95-100 kD glycosylphosphatidylinositol (GPI)-linked protein also known as CD67, CGM6, and NCA-95. CD66b is a member of the immunoglobulin superfamily, carcinoembryonic antigen (CEA)-like subfamily. CD66b, expressed on granulocytes, has been reported to induce activation in neutrophils and to be involved in heterophilic adhesion with CD66c.

### Product Details

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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Recombinant soluble human CEACAM8-Fc produced in HEK293 cells
<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 Brilliant Violet 605™ under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our <a href="#">Certificate of Analysis</a> online tool.)
<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>	<p>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. It is recommended that the reagent be titrated for optimal performance for each application.</p> <p>Brilliant Violet 605™ excites at 405 nm and emits at 603 nm. The bandpass filter 610/20 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 605™ is a trademark of Sirigen Group Ltd.</p> <p><a href="#">Learn more about Brilliant Violet™.</a></p> <p>This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.</p>
<b>Excitation Laser</b>	Violet Laser (405 nm)

## Application References

1. Singer, *et al.* 2014. *PLoS One*. 9(4):e94106. PMID: 24743304
2. Klaile, *et al.* 2013. *Respir Res*. 14:85. PMID 23941132

(PubMed link indicates  
BioLegend citation)

## RRID

AB\_3675122 (BioLegend Cat. No. 392923)  
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## Antigen Details

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<b>Structure</b>	Ig superfamily, CEA antigen group, GPI-linked glycoprotein
<b>Distribution</b>	Granulocytes
<b>Function</b>	Cell adhesion, neutrophil activation
<b>Ligand/Receptor</b>	CD66c
<b>Cell Type</b>	Granulocytes
<b>Biology Area</b>	Immunology
<b>Molecular Family</b>	Adhesion Molecules, CD Molecules

## Antigen References

1. Kuijpers T, *et al.* 1993. *J Immunol*. 151:4934.
2. Kuroki M, *et al.* 1992. *J Leuk Biol*. 52:551.

## Gene ID

[1088](#)

## Related Protocols

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- [Cell Surface Flow Cytometry Staining Protocol](#)

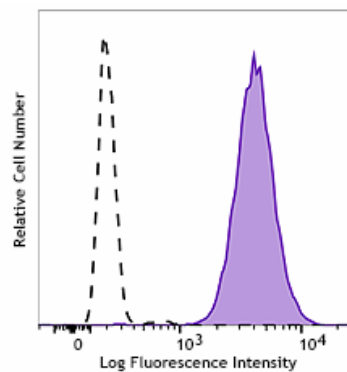
## Other Formats

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Purified anti-human CD66b, PE anti-human CD66b, TotalSeq™-A0166 anti-human CD66b, Alexa Fluor® 594 anti-human CD66b, TotalSeq™-C0166 anti-human CD66b, Alexa Fluor® 647 anti-human CD66b, TotalSeq™-B0166 anti-human CD66b, PE/Fire™ 640 anti-human CD66b Antibody, Brilliant Violet 421™ anti-human CD66b Antibody, TotalSeq™-D0166 anti-human CD66b, TotalSeq™-Bn0166 anti-human CD66b, Brilliant Violet 605™ anti-human CD66b, Brilliant Violet 650™ anti-human CD66b, Brilliant Violet 785™ anti-human CD66b, Brilliant Violet 510™ anti-human CD66b

## Product Data

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Human peripheral blood granulocytes were stained with anti-human CD66b (clone 6/40c) Brilliant Violet 605™ (filled histogram) or mouse IgG1, κ Brilliant Violet 605™ isotype control (open histogram).

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