

PE anti-human CD66b Antibody

Catalog# / Size	392903 / 25 tests 392904 / 100 tests
Clone	6/40c
Regulatory Status	RUO
Other Names	CEACAM8, CD67, CGM6, NCA-95
Isotype	Mouse IgG1, κ
Description	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

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Recombinant soluble human CEACAM8-Fc produced in HEK293 cells
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . 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.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application References (PubMed link indicates BioLegend citation)	1. Singer, <i>et al.</i> 2014. <i>PLoS One</i> . 9(4):e94106. PMID: 24743304 2. Klaile, <i>et al.</i> 2013. <i>Respir Res</i> . 14:85. PMID 23941132
Product Citations	1. Xia Y, <i>et al.</i> 2019. <i>Gastroenterol Res Pract</i> . 2019:5436961. PubMed 2. Ford BD, <i>et al.</i> 2021. <i>Int J Mol Sci</i> . 22:.. PubMed 3. Maas RR, <i>et al.</i> 2021. <i>Nat Protoc</i> . 16:4692. PubMed
RRID	AB_2750201 (BioLegend Cat. No. 392903) AB_2750202 (BioLegend Cat. No. 392904)

Antigen Details

Structure	Ig superfamily, CEA antigen group, GPI-linked glycoprotein
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Distribution	Granulocytes
Function	Cell adhesion, neutrophil activation
Ligand/Receptor	CD66c
Cell Type	Granulocytes
Biology Area	Immunology
Molecular Family	Adhesion Molecules, CD Molecules
Antigen References	<ol style="list-style-type: none"> 1. Kuijpers T, <i>et al.</i> 1993. <i>J Immunol.</i> 151:4934. 2. Kuroki M, <i>et al.</i> 1992. <i>J Leuk Biol.</i> 52:551.
Gene ID	1088

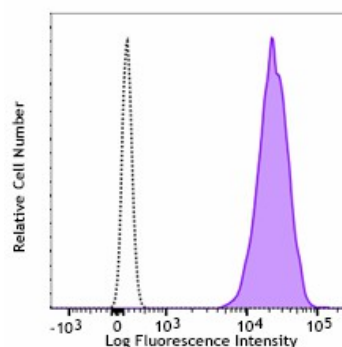
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

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

Product Data



Human peripheral blood granulocytes were stained with CD66b (clone 6/40c) PE (filled histogram) or mouse IgG1, κ isotype control (clone MOPC-21) PE (open histogram).

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