

Purified anti-human CD66b Recombinant Antibody

Catalog# / Size	396902 / 100 µg
Clone	QA17A51
Regulatory Status	RUO
Other Names	CD67, CGM6, NCA-95, CEACAM8
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	Recombinant
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	FC - Quality tested IHC-P - Verified
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 ≤ 0.5 µg per million cells in 100 µL volume. For immunohistochemistry on formalin-fixed paraffin-embedded tissue sections, a concentration range of 5.0 - 10 µg/mL is suggested. It is recommended that the reagent be titrated for optimal performance for each application.
RRID	AB_2814367 (BioLegend Cat. No. 396902)

Antigen Details

Distribution	Granulocytes/neutrophils
Function	Cell adhesion, neutrophil activation
Ligand/Receptor	CD66b
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> 151:49342. Kuroki M, <i>et al.</i> 1992. <i>J. Leuk. Biol.</i> 52:551
Gene ID	1088

Related Protocols

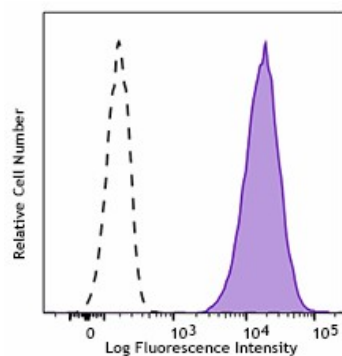
[Cell Surface Flow Cytometry Staining Protocol](#)

[Immunohistochemistry Protocol for Paraffin-Embedded Sections](#)

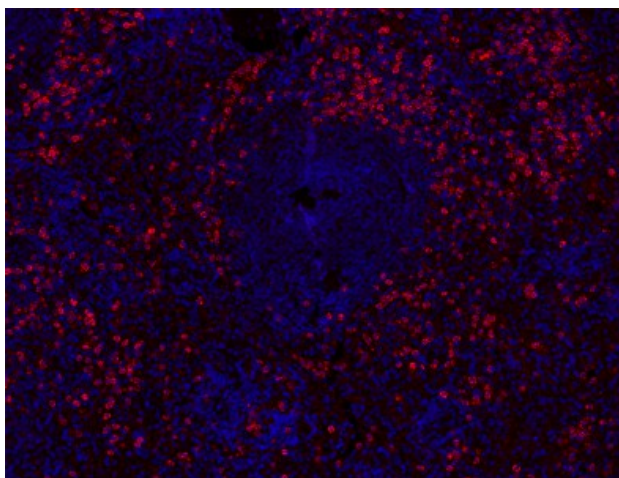
Other Formats

PE anti-human CD66b Recombinant Antibody, Purified anti-human CD66b Recombinant Antibody, APC/Fire™ 750 anti-human CD66b Recombinant Antibody, PE/Dazzle™ 594 anti-human CD66b Recombinant Antibody, PerCP/Cyanine5.5 anti-human CD66b Recombinant Antibody, PE/Cyanine7 anti-human CD66b Recombinant Antibody, APC anti-human CD66b Recombinant Antibody, FITC anti-human CD66b Recombinant Antibody

Product Data



Human peripheral blood granulocytes were stained with CD66b (clone QA17A51) Purified (filled histogram) or Mouse IgG1, κ Purified isotype control (open histogram) followed by anti-mouse IgG1 PE



Human paraffin-embedded spleen tissue slices were prepared with a standard protocol of deparaffinization and rehydration. Antigen retrieval was done with 1X Citric buffer pH 6.0 at 95°C for 40 minutes. Tissue was washed with PBS/0.05% Tween 20 twice for five minutes and blocked with 5% FBS and 0.2% gelatin for 30 minutes. Then, the tissue was stained with 10 μ g/mL of purified anti-human CD66b (clone QA17A51) antibody overnight at 4°C. On the next day, tissue was incubated with Alexa Fluor® 594 Goat anti-mouse IgG (clone poly4053) antibody (red). Nuclei were counter-stained with DAPI (blue). The image was scanned with a 10X objective and stitched with MetaMorph® software.

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