

Biotin anti-human CD66b Antibody

Catalog# / Size	305120 / 100 µg
Clone	G10F5
Regulatory Status	RUO
Workshop	VI MA81
Other Names	CD67, CGM6, NCA-95, CEACAM8
Isotype	Mouse IgM, 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
Reported Reactivity	Chimpanzee
Antibody Type	Monoclonal
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C. 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 ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes	Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen, formalin-fixed paraffin-embedded tissue sections, and spatial biology (IBEX) ^{5,6} .
Application References	<ol style="list-style-type: none">Schlossman S, <i>et al.</i> Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.Kishimoto T, <i>et al.</i> Eds. 1997. Leucocyte Typing VI. Garland Publishing Inc. London.Norling LV, <i>et al.</i> 2012. <i>Arterioscler Thromb Vasc Biol.</i> 32:1970. PubMedMeinke P, <i>et al.</i> 2015. <i>Neuroimmunol Discord.</i> 25:127. PubMedRadtke AJ, <i>et al.</i> 2020. <i>Proc Natl Acad Sci USA.</i> 117:33455-33465. (SB) PubMedRadtke AJ, <i>et al.</i> 2022. <i>Nat Protoc.</i> 17:378-401. (SB) PubMed
Product Citations	<ol style="list-style-type: none">Szabo PA, <i>et al.</i> 2021. <i>Immunity.</i> 54(4):797-814.e6. PubMedBourdely P, <i>et al.</i> 2020. <i>Immunity.</i> 53(2):335-352. PubMedGenschmer KR, <i>et al.</i> 2019. <i>Cell.</i> 176:113. PubMedBennstein SB, <i>et al.</i> 2020. <i>eLife.</i> 9:e55232.. PubMed
RRID	AB_2566608 (BioLegend Cat. No. 305120)

Antigen Details

Structure	Ig superfamily, CEA antigen group, GPI-linked glycoprotein, 95-100 kD
Distribution	Granulocytes
Function	Cell adhesion, neutrophil activation
Ligand/Receptor	CD66c
Cell Type	Granulocytes, Neutrophils
Biology Area	Immunology
Molecular Family	Adhesion Molecules, CD Molecules
Antigen References	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

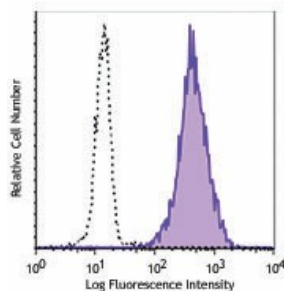
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

FITC anti-human CD66b, Purified anti-human CD66b, Pacific Blue™ anti-human CD66b, PE anti-human CD66b, PerCP/Cyanine5.5 anti-human CD66b, Alexa Fluor® 647 anti-human CD66b, Alexa Fluor® 700 anti-human CD66b, PE/Cyanine7 anti-human CD66b, APC anti-human CD66b, Biotin anti-human CD66b, PE/Dazzle™ 594 anti-human CD66b, Alexa Fluor® 594 anti-human CD66b, APC/Cyanine7 anti-human CD66b, GMP FITC anti-human CD66b

Product Data



Human peripheral blood granulocytes were stained with biotinylated CD66b (clone G10F5, filled histogram) or biotinylated mouse IgM, κ isotype control (open histogram), followed by SAV-PE.

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