SONY

Product Data Sheet

Alexa Fluor® 647 anti-human CD66b

Catalog # / Size: 2125550 / 100 tests
2125545 / 25 tests

Clone: G10F5

Isotype: Mouse IgM, κ

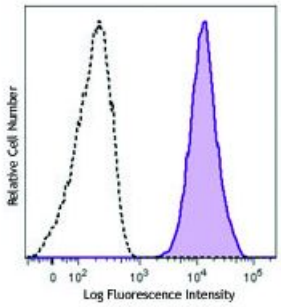
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: VI MA81

Concentration: Lot-specific



Human peripheral blood granulocytes were stained with CD66b (clone G10F5) Alexa Fluor® 647 (filled histogram) or mouse IgM, κ Alexa Fluor® 647 isotype control (open histogram).

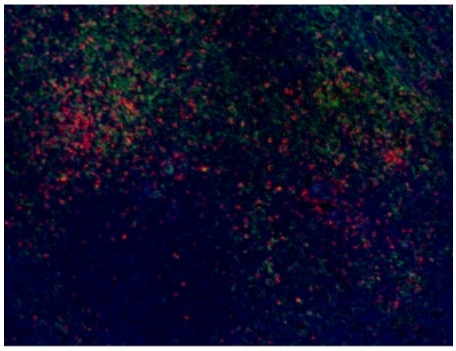
Applications:

Applications: Flow Cytometry, Immunohistochemistry

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 or 5 µl per 100 µl of whole blood. For immunohistochemical staining on formalin-fixed paraffin-embedded tissue sections, the suggested use of this reagent is 5.0 - 10 µg per ml. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen and formalin-fixed paraffin-embedded tissue sections.



Human paraffin-embedded spleen tissue was stained with Alexa Fluor® 647 anti-human CD66b antibody (red) and co-stained with Alexa Fluor® 594 anti-human CD8a antibody (green).

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Application References:

1. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
2. Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Garland Publishing Inc. London.
3. Norling LV, *et al.* 2012. *Arterioscler Thromb Vasc Biol.* 32:1970. PubMed
4. Meinke P, *et al.* 2015. *Neuroimmunol Discord.* 25:127. PubMed

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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.

Antigen References:

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

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