

**Alexa Fluor® 700 anti-human CD66b**

**Catalog # / Size:** 2125565 / 25 tests  
2125570 / 100 tests

**Clone:** G10F5

**Isotype:** Mouse IgM, κ

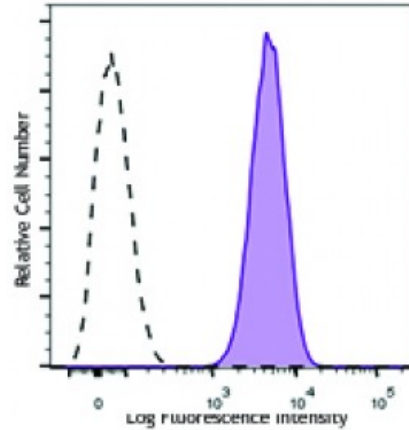
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Workshop Number:** VI MA81

**Concentration:** Lot-specific



Human peripheral blood granulocytes were stained with CD66b (clone G10F5) Alexa Fluor® 700 (filled histogram).

**Applications:**

**Applications:** Flow Cytometry

**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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

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

- Application References:**
- Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
  - Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Garland Publishing Inc. London.
  - Norling LV, *et al.* 2012. *Arterioscler Thromb Vasc Biol.* 32:1970. [PubMed](#)
  - Meinke P, *et al.* 2015. *Neuroimmunol Discord.* 25:127. [PubMed](#)

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