
Product Data Sheet

Purified anti-human CD66b Recombinant

Catalog # / Size: 2584510 / 100 µg

Clone: QA17A51

Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/mL

□ 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

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 ≤ 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.

□ 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 µg/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.

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