

Spark YG™ 593 anti-mouse/human CD11b

Catalog # / Size: 1106405 / 25 µg
1106410 / 100 µg

Clone: M1/70

Isotype: Rat IgG2b, κ

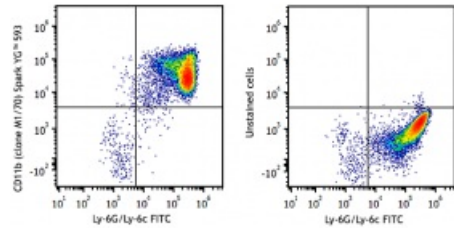
Immunogen: C57BL/10 splenocytes

Reactivity: Human, Mouse, Non-human primate, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with Spark YG™ 593 under optimal conditions.

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

Concentration: 0.5 mg/mL



C57BL/6 mouse bone marrow cells were stained with Ly-6G/Ly-6c FITC and CD11b (clone M1/70) Spark YG™ 593 (left) or Ly-6G/Ly-6c FITC only (right).

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 ≤ 0.125 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Spark YG™ 593 has a maximum excitation of 573 nm and a maximum emission of 593 nm.

Application Notes: Clone M1/70 has been verified for immunocytochemistry (ICC) and frozen immunohistochemistry (IHC-F).

Additional reported applications (for relevant formats of this clone) include: immunoprecipitation^{1,4}, *in vitro* blocking^{3,9,12}, depletion^{2,8}, immunofluorescence microscopy^{6,7,10}, and immunohistochemistry of acetone-fixed frozen sections^{5,11-13}. For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Endotoxin < 0.01 EU/µg, Azide-Free, 0.2 µm filtered) (Cat. No. 101248).

**Application
References:**

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Description: CD11b is a 170 kD glycoprotein also known as α M integrin, Mac-1 α subunit, Mol, CR3, and Ly-40. CD11b is a member of the integrin family, primarily expressed on granulocytes, monocytes/macrophages, dendritic cells, NK cells, and subsets of T and B cells. CD11b non-covalently associates with CD18 (β 2 integrin) to form Mac-1. Mac-1 plays an important role in cell-cell interaction by binding its ligands ICAM-1 (CD54), ICAM-2 (CD102), ICAM-4 (CD242), iC3b, and fibrinogen.

**Antigen
References:**

1. Barclay A, et al. 1997. *The Leukocyte Antigen FactsBook* Academic Press.
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