

ANTI-MOUSE CD11b

**Conjugated Rat Monoclonal Antibodies Against Mouse CD11b
Clone M1/70**

FITC-conjugate:	Catalog # 10705	100 mg
	Catalog # 10706	500 mg
PE-conjugate:	Catalog # 10805	100 mg
	Catalog # 10806	200 mg

SPECIFICITY:

CD11b is the α M subunit which combines with CD18 (β 2 subunit) to form the integrin Mac-1. CD11b/CD18 is also known as the complement receptor type 3 (CR3), which mediates adhesion to C3bi and ICAM-1 (CD54) and is involved in the transendothelial migration of monocytes and neutrophils. CD11b is expressed at variable levels on monocytes/macrophages, dendritic cells, granulocytes and their precursors and on NK cells. CD11b is a relatively late marker for myeloid differentiation and is undetectable on most myelomonocytic hematopoietic progenitor cells and more primitive cells, probably including pluripotent stem cells.

CLONE: M1/70

ISOTYPE: IgG_{2b}K (rat)

FORMAT:

FITC-conjugate: Catalog # 10705: 100 μ g in 0.2 mL (0.5 mg/mL) diluent
Catalog # 10706: 500 μ g in 1.0 mL (0.5 mg/mL) diluent
PE-conjugate: Catalog # 10805: 100 μ g in 0.5 mL (0.2 mg/mL) diluent
Catalog # 10806: 200 μ g in 1.0 mL (0.2 mg/mL) diluent
Diluent: Aqueous buffered solution, containing 0.09% (w/v) sodium azide.

STABILITY AND STORAGE:

Store at 4°C. Do not freeze. Product is stable for at least 6 months.

APPLICATIONS AND DIRECTIONS FOR USE:

Flow cytometry:

Recommended amount per 1×10^6 cells in a volume of 100 μL :

- FITC-conjugate (Cat No. 10705, 10706): $\leq 1 \mu\text{g}$ (2 μL)
- PE-conjugate (Cat No. 10805, 10806): $\leq 1 \mu\text{g}$ (5 μL)

Appropriate conditions should be established for each application.

Cell separation:

Positive selection of murine CD11b⁺ cells with StemCell's reagents for immunomagnetic cell separation. Please contact us for more information.

**NOT FOR CLINICAL USE; INCLUDING IN VITRO DIAGNOSTIC USE, AND EX VIVO OR IN VIVO THERAPEUTIC USE IN CLINICAL TRIALS OR IN CLINICAL PRACTISE.
THIS REAGENT IS FOR RESEARCH ONLY**

***Hazardous Ingredient: Sodium Azide.** Avoid exposure to skin and eyes, ingestion and contact with heat, acids and metals. Wash exposed skin with soap and water. Flush eyes with water. Dilute with running water before discharging into plumbing.*

REFERENCES:

1. Barclay AN, Brown MH, Law SKA, McKnight AJ, Tomlinson MG, van der Merwe PA, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD11b. Academic Press, NY, p 158-160.
2. Martin A, Le Corre R, Pellen P, Bourel D, Merdrignac G, Genetet B, Toujas, A monoclonal antibody (3A33) that reacts with a mouse-specific epitope of Mac-1 antigen. 1986, Tissue 28: 15-23.
3. Leenen PJ, de Bruijn MF, Voerman JS, Campbell PA, van Ewijk W J. Markers of mouse macrophage development detected by monoclonal antibodies. 1994, J Immunol Methods 14: 5-19.