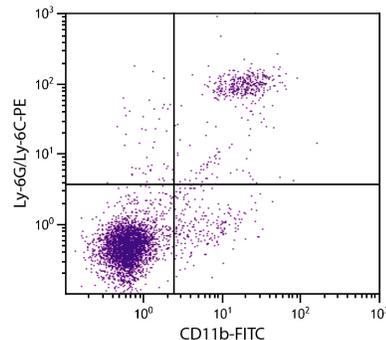




Rat Anti-Mouse CD11b

Cat. No.	Format	Size
1561-01	Purified (UNLB)	0.5 mg
1561-02S	Fluorescein (FITC)	0.1 mg
1561-02	Fluorescein (FITC)	0.5 mg
1561-08	Biotin (BIOT)	0.5 mg
1561-09	R-phycoerythrin (PE)	0.1 mg
1561-09L	R-phycoerythrin (PE)	0.2 mg
1561-11	Allophycocyanin (APC)	0.1 mg
1561-13	Spectral Red [®] (SPRD)	0.1 mg
1561-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
1561-15	Cyanine 5 (CY5)	0.1 mg
1561-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.1 mg
1561-19	Allophycocyanin-Cyanine 7 (APC/CY7)	0.1 mg
1561-26	Pacific Blue [™] (PACBLU)	0.1 mg
1561-27	Alexa Fluor 700 [®] (AF700)	0.1 mg
1561-30	Alexa Fluor 488 [®] (AF488)	0.1 mg
1561-31	Alexa Fluor 647 [®] (AF647)	0.1 mg



BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD11b-FITC (SB Cat. No. 1561-02) and Rat Anti-Mouse Ly-6G/Ly-6C-PE (SB Cat. No. 1900-09).

Overview

Clone	M1/70
Isotype	Rat (Dark Agouti) IgG _{2b} K
Immunogen	C57BL/10 mouse splenic T cells and concanavalin A-activated C57BL/10 splenocytes
Specificity	Mouse/Human/Rhesus/Baboon/Rabbit CD11b; Mr 170 kDa
Alternate Name(s)	Integrin α_M , Mac-1 α , Mac-1, Mo1, CR3, C3biR

Description

CD11b, the integrin α_M subunit, combines with CD18, the integrin β_2 subunit, to form the integrin Mac-1, also known as complement receptor 3 (CR3), which mediates adhesion to C3bi and ICAM-1/CD54. Mac-1 is expressed at varying levels on granulocytes, macrophages, dendritic cells, NK cells, and B-1 cells in the peritoneal and pleural cavities. Mac-1 expression is rapidly up-regulated on neutrophils after activation and in the same time period that CD62L is shed from the cell surface. In addition to its role in binding C3bi on opsonized targets and mediation of the subsequent ingestion process, Mac-1 is important as an adhesion molecule in the transendothelial migration of monocytes and neutrophils. Cross-reaction of M1/70 to human CD11b has been observed on monocytes, polymorphonuclear leukocytes, and NK cells.

Applications

FC – Quality tested ^{2,5,7-10}
 IHC-FS – Reported in literature ^{3,4}
 IHC-PS – Reported in literature ^{12,13}
 ICC – Reported in literature ¹⁴
 IP – Reported in literature ^{1,2,7}
 Block – Reported in literature ⁶

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	≤ 1 μ g/10 ⁶ cells
	FITC, BIOT, and AF488 conjugates	≤ 1 μ g/10 ⁶ cells
	PE, APC, SPRD, CY5, PE/CY7, APC/CY7, PACBLU, AF647 and AF700 conjugates	≤ 0.3 μ g/10 ⁶ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 μ L	

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg or 0.1 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The allophycocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red® (SPRD), R-phycoerythrin-Cyanine 7 (PE/CY7), and allophycocyanin-Cyanine 7 (APC/CY7) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- The Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), Alexa Fluor® 700 (AF700), and Pacific Blue™ (PACBLU) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/ NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

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