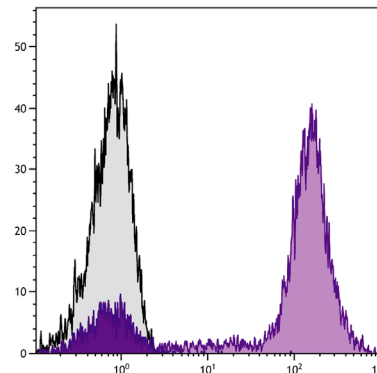




## Rat Anti-Mouse CD11b

Cat. No.	Format	Size
1560-01	Purified (UNLB)	0.5 mg
1560-02S	Fluorescein (FITC)	0.1 mg
1560-02	Fluorescein (FITC)	0.5 mg
1560-08	Biotin (BIOT)	0.5 mg
1560-09	R-phycoerythrin (PE)	0.1 mg
1560-09L	R-phycoerythrin (PE)	0.2 mg
1560-11	Allophycocyanin (APC)	0.1 mg
1560-13	Spectral Red® (SPRD)	0.1 mg
1560-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
1560-15	Cyanine 5 (CY5)	0.1 mg
1560-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.1 mg
1560-19	Allophycocyanin-Cyanine 7 (APC/CY7)	0.1 mg
1560-27	Alexa Fluor® 700 (AF700)	0.1 mg
1560-30	Alexa Fluor® 488 (AF488)	0.1 mg



BALB/c mouse bone marrow cells were stained with Rat Anti-Mouse CD11b-APC (SB Cat. No. 1560-11).

## Overview

<b>Clone</b>	3A33
<b>Isotype</b>	Rat (Lewis) IgG <sub>2a</sub> K
<b>Immunogen</b>	Peritoneal macrophages from B6D2 hybrid mice
<b>Specificity</b>	Mouse CD11b; Mr 170 kDa
<b>Alternate Name(s)</b>	Integrin $\alpha_M$ , Mac-1 $\alpha$ , Mac-1, Mo1, CR3, C3biR

## Description

CD11b (integrin  $\alpha_M$  subunit) combines with CD18 (integrin  $\beta_2$  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. 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.

## Applications

FC – Quality tested <sup>1,4-13</sup>  
 IHC-FS – Reported in literature <sup>14</sup>  
 ICC – Reported in literature <sup>2</sup>  
 IP – Reported in literature <sup>1</sup>  
 Block – Reported in literature <sup>3</sup>

## Working Dilutions

<b>Flow Cytometry</b>	Purified (UNLB) antibody	$\leq 1 \mu\text{g}/10^6$ cells
	FITC, BIOT, and AF488 conjugates	$\leq 1 \mu\text{g}/10^6$ cells
	PE, APC, SPRD, CY5, PE/CY7, APC/CY7, and AF700 conjugates	$\leq 0.3 \mu\text{g}/10^6$ cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100  $\mu\text{L}$ .

<b>Other Applications</b>	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
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**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/NaN<sub>3</sub>. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. 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/NaN<sub>3</sub> 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/NaN<sub>3</sub> 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/NaN<sub>3</sub> 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/NaN<sub>3</sub>. Store at 2-8°C.
- The Alexa Fluor® 488 (AF488) and Alexa Fluor® 700 (AF700) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub>. 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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