



CELL LAB Rat Anti-Mouse CD11b/Mac-1

Cat. No.	Form	Quantity
732035	Purified (UNLB) Antibody	0.5 mg
732037	Fluorescein (FITC) Conjugate	0.1 mg
732036	Fluorescein (FITC) Conjugate	0.5 mg
732038	Biotin (BIOT) Conjugate	0.5 mg
732039	Phycoerythrin (PE) Conjugate	0.1 mg
732040	Allophycocyanin (APC) Conjugate	0.1 mg
732041	Spectral Red™ (SPRD) Conjugate	0.1 mg
732043	Cyanine 5 (CY™5) Conjugate	0.1 mg

For Laboratory Use Only

DESCRIPTION

Clone:	3A33
Isotype:	Rat (Lewis) IgG2a κ
Immunogen:	Peritoneal macrophages from C57 B1/6 x DBA/2 F1 hybrid mice ¹
Specificity:	α M subunit (Mr 170 kDa) of the CD11b/CD18 heterodimer

CD11b (integrin α M subunit) combines with CD18 (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).²⁻⁶ Mac-1 is expressed at varying levels on granulocytes, macrophages, dendritic cells, NK cells, and B-1 cells in the peritoneal and pleural cavities.^{2, 7-10} In addition to its role in binding C3bi on opsonized targets and mediation of the subsequent ingestion process,^{4,11} Mac-1 is important as an adhesion molecule in the transendothelial migration of monocytes and neutrophils.¹²

APPLICATIONS

- Flow cytometry¹
- Immunohistochemistry (acetone-fixed, frozen tissue sections)
- Immunoprecipitation¹

CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using flow cytometry.

WORKING DILUTIONS

Flow Cytometry:	Purified antibody	$\leq 1 \mu\text{g}/10^6$ cells
	FITC conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	BIOT conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	PE conjugate	$\leq 0.3 \mu\text{g}/10^6$ cells
	APC conjugate	$\leq 0.3 \mu\text{g}/10^6$ cells
	SPRD conjugate	$\leq 0.3 \mu\text{g}/10^6$ cells
	CY5 conjugate	$\leq 0.3 \mu\text{g}/10^6$ cells

Other Applications: Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.0. No preservatives or amine-containing buffer salts added.
- The fluorescein (FITC) conjugates are supplied as 0.5 mg or 0.1 mg in 1.0 mL of PBS/NaN₃.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃.
- The phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent.
- The allophycocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent.
- The Spectral Red (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent.
- The Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃.
- Protect fluorochrome-conjugated forms from light. Do not freeze.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Minimize exposure of reagent to light during storage or incubation.
5. Avoid microbial contamination of reagent or erroneous results may occur.
6. Use Good Laboratory Practice (GLP) when handling this reagent.
7. Harmful if swallowed.
8. After contact with skin, wash immediately with plenty of water.
9. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

TRADEMARKS

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CY5 is a trademark of GE Healthcare, Inc.

For additional information or if damaged product is received, contact your local Beckman Coulter Representative.

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