

Monoclonal Antibody to CD11b - PE

Alternate names:	CD11 antigen-like family member B, CR-3 alpha chain, CR3A, Cell surface glycoprotein MAC-1 subunit alpha, ITGAM, Integrin alpha-M, Leukocyte adhesion receptor MO1, MAC1, Neutrophil adherence receptor
Catalog No.:	AM08031RP-N
Quantity:	0.2 mg
Concentration:	0.1 mg/ml
Background:	CD11b (Integrin alpha M subunit) combines with CD18 (Integrin beta2 subunit) to form the integrin Mac-1, also known as complement receptor 3 (CR3), which mediates adhesion to C3bi and ICAM-1 (CD54). (Ref.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. (Ref.2,7-10) In addition to its role in binding C3bi on opsonized targets and mediation of the subsequent ingestion process. (Ref.4,11) Mac-1 is important as an adhesion molecule in the transendothelial migration of monocytes and neutrophils. (Ref.12)
Uniprot ID:	P05555
NCBI:	10090
Host / Isotype:	Rat / IgG2a
Clone:	3A33
Immunogen:	Peritoneal macrophages from C57 B1/6 x DBA/2 F1 hybrid mice. (Ref.1)
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE – R-Phycoerythrin
Applications:	Flow Cytometry: < / = 0.3 µg/10e6 cells. (Ref.1) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific to Alpha M subunit (Mr 170 kDa) of the CD11b/CD18 heterodimer. Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Martin, A., R. Le Corre, P. Pellen., D. Bourel, G. Merdignac, B. Genetet, and L. Toujas. 1986. Tissue Antigens 28:15.

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7. Kantor, A.B., A. M. Stall, S. Adams, L.A. Herzenberg, and L.A. Herzenberg. 1992. Proc. Natl. Acad. Sci. USA 89:3320.
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9. Vremec, D., M. Zorbas, R. Scollay, D.J. Saunders, C.F. Ardavin, L. Wu, and K. Shrotman. 1992. J. Exp. Med. 176:47.
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12. Springer, T.A. 1994. Cell 76:310.
13. Southern Biotechnology Associates, Inc. Unpublished observations.

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