

## Monoclonal Antibody to CD11b - FITC

<b>Alternate names:</b>	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
<b>Catalog No.:</b>	AM08031FC-S
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	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)
<b>Uniprot ID:</b>	<a href="#">P05555</a>
<b>NCBI:</b>	<a href="#">10090</a>
<b>Host / Isotype:</b>	Rat / IgG2a
<b>Clone:</b>	3A33
<b>Immunogen:</b>	Peritoneal macrophages from C57 B1/6 x DBA/2 F1 hybrid mice. (Ref.1)
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> < / = 1 µg/10e6 cells. (Ref.1) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody is specific to Alpha M subunit (Mr 170 kDa) of the CD11b/CD18 heterodimer. <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Martin, A., R. Le Corre, P. Pellen., D. Bourel, G. Merdrignac, B. Genetet, and L. Toujas. 1986. Tissue Antigens 28:15. 2. Springer, T., G. Galfre, D.S. Secher, and C. Milstein. 1979. Eur. J. Immunol. 9:301. 3. Springer, T.A., D. Davignon, M.-K. Ho, K. Kurzinger, E. Martz, and F. Sanchez-Madrid.

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