

Product datasheet for **AM08031RP-N**

CD11b Rat Monoclonal Antibody [Clone ID: 3A33]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3A33
Applications:	FC
Recommended Dilution:	Flow Cytometry: < / = 0.3 µg/10e6 cells. (Ref.1)
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Peritoneal macrophages from C57 B1/6 x DBA/2 F1 hybrid mice. (Ref.1)
Specificity:	This antibody is specific to Alpha M subunit (Mr 170 kDa) of the CD11b/CD18 heterodimer.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE State: Liquid purified Ig fraction. Label: R-Phycoerythrin
Concentration:	lot specific
Conjugation:	PE
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.
Stability:	Shelf life: one year from despatch.
Database Link:	P05555



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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)

Synonyms:

ITGAM, CR3A, CR-3 alpha chain, Integrin alpha-M, MAC1