

## Product datasheet for **AM08031BT-N**

### CD11b Rat Monoclonal Antibody [Clone ID: 3A33]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3A33
Applications:	FC, IHC, IP
Recommended Dilution:	<b>Flow Cytometry:</b> < / = 1 µg/10e6 cells. (Ref.1) <b>Immunohistochemistry on Frozen Sections.:</b> (Ref.13) <b>Immunoprecipitation.</b> (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 Sodium Azide as preservative. Label: Biotin State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	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.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">P05555</a>



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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