

## Product datasheet for AM08031LE-N

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

**Product data:** 

**Product Type:** Primary Antibodies

Clone Name: 3A33

**Applications:** FC, IHC, IP

Recommended Dilution: Flow Cytometry (Ref.1)

Immunohistochemistry on Frozen Sections. (Ref.13)

**Immunoprecipitation.** (Ref.1)

**Reactivity:** Mouse

**Host:** Rat

**Isotype:** lgG2a

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 without preservatives.

State: Low Endotoxin

State: Liquid purified Ig fraction.

**Concentration:** lot specific

**Conjugation:** Unconjugated

**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

Database Link: P05555

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

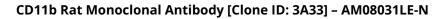
transendothelial migration of monocytes and neutrophils. (Ref.12)



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Synonyms:

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