

Product datasheet for AM08031FC-N

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OriGene Technologies, Inc.

CD11b Rat Monoclonal Antibody [Clone ID: 3A33]

Product data:

Product Type: Primary Antibodies

Clone Name: 3A33
Applications: FC

Recommended Dilution: Flow Cytometry: < / = 1 μ g/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 Sodium Azide as preservative.

Label: FITC

State: Liquid purified Ig fraction.

Label: Fluorescein Isothiocyanate Isomer 1

Concentration: lot specific

Conjugation: FITC

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.

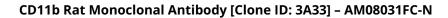
Database Link: P05555

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)







Synonyms:

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