

## Rat CD11b Monoclonal Antibody | anti-CD11b antibody

Anti-Ms CD11b PE

|                               |                    |                                                               |                                                         |
|-------------------------------|--------------------|---------------------------------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA128690</b> | HOST<br><b>Rat</b> | REACTIVITY<br><b>Mouse, Rabbit, Human, Non-human primates</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|--------------------|---------------------------------------------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

CD11b; Monoclonal Antibody; Anti-Ms CD11b PE; integrin subunit alpha M; Mac-1; Integrin alpha M; ITGAM; CR3A; MO1A; MAC1A; anti-CD11b antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rat                                                                                                                                                                                                                                                                                                                |
| Reactivity                                      | Mouse, Rabbit, Human, Non-human primates                                                                                                                                                                                                                                                                           |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                         |
| Isotype                                         | IgG2b                                                                                                                                                                                                                                                                                                              |
| Clone Number                                    | M1/70                                                                                                                                                                                                                                                                                                              |
| Specificity                                     | The rat monoclonal antibody M1/70 detects an extracellular epitope of CD11b (integrin alphaM subunit), a type I transmembrane protein mainly expressed on monocytes/macrophages, granulocytes and NK-cells, which associates with CD18 to form Mac-1 integrin that plays important role in cell-cell interactions. |
| Purity/Purification                             | The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.                                                                                                                                                                |
| Form/Format                                     | Phosphate buffered saline (PBS) solution with 15 mM sodium azide                                                                                                                                                                                                                                                   |
| Concentration                                   | 0.5 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                          |
| Applicable Applications for anti-CD11b antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                          |
| Immunogen                                       | B10 mouse spleen cells enriched for T cells                                                                                                                                                                                                                                                                        |
| Conjugation                                     | PE                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage                         | Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.                                                                                                                                                                                                                               |

### ADDITIONAL INFORMATION

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| Related Product Information for anti-CD11b antibody | CD11b (integrin alphaM subunit) is a 165-170 kDa type I transmembrane glycoprotein that non-covalently associates with integrin beta2 subunit (CD18); expression of the CD11b chain on the cell surface requires the presence of the CD18 antigen. CD11b/CD18 integrin (Mac-1, CR3) is highly expressed on NK cells, neutrophils, monocytes and less on macrophages. CD11b/CD18 integrin is implicated in various adhesive interactions of monocytes, macrophages and granulocytes, facilitating their diapedesis, as well as it mediates the uptake of complement coated particles, serving as a receptor for the iC3b fragment of the third complement component. |
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### NCBI AND UNIPROT INFORMATION

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|----------------------------------|------------------|
| NCBI GeneID                      | 16409            |
| UniProt Accession #              | G5E8F1; P05555   |
| NCBI Official Synonym Full Names | integrin alpha M |
| NCBI Official Symbol             | Itgam            |

|                               |                                                                         |
|-------------------------------|-------------------------------------------------------------------------|
| NCBI Official Synonym Symbols | CR3; CR3A; MAC1; Cd11b; Ly-40; Mac-1; Mac-1a; CD11b/CD18; F730045J24Rik |
| NCBI Protein Information      | integrin alpha-M                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd11b-antibody-clone-m1-70-flow-cytometry-elisa/128690>