

## Mouse CD11b Monoclonal Antibody | anti-CD11b antibody

Anti-Hu CD11b PE-Cyanine7

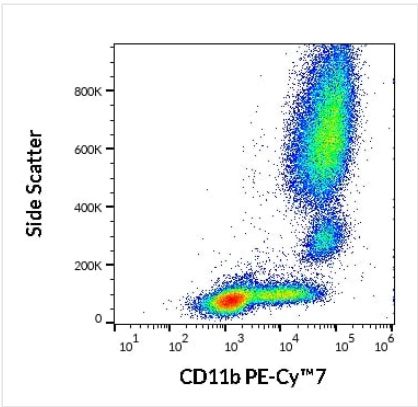
| CATALOG # | HOST  | REACTIVITY                | APPLICATIONS                     |
|-----------|-------|---------------------------|----------------------------------|
| AAA128623 | Mouse | Human, Non-human primates | Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

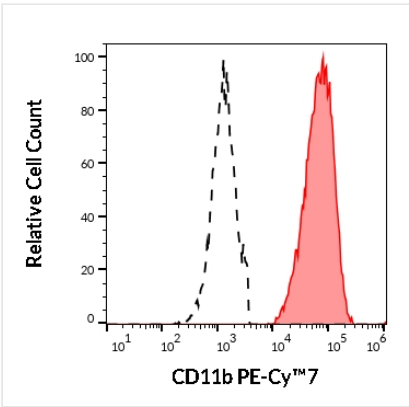
CD11b; Monoclonal Antibody; Anti-Hu CD11b PE-Cyanine7; integrin subunit alpha M; Mac-1; Integrin alpha M; ITGAM; CR3A; MO1A; MAC1A; anti-CD11b antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                      |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                |
| Reactivity                                      | Human, Non-human primates                                                                                                                                                                            |
| Clonality                                       | Monoclonal                                                                                                                                                                                           |
| Isotype                                         | IgG1                                                                                                                                                                                                 |
| Clone Number                                    | ICRF44                                                                                                                                                                                               |
| Specificity                                     | The mouse monoclonal antibody ICRF44 recognizes an extracellular epitope of CD11b (Mac-1alpha), a 165-170 kDa type 1 transmembrane protein mainly expressed on monocytes, granulocytes and NK-cells. |
| Purity/Purification                             | The purified antibody is conjugated with tandem dye PE-Cyanine7 under optimum conditions. The conjugate is purified by size-exclusion chromatography.                                                |
| Form/Format                                     | Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide                                                                                                                   |
| Sequence Length                                 | 1153                                                                                                                                                                                                 |
| Applicable Applications for anti-CD11b antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                            |
| Immunogen                                       | Rheumatoid synovial cells and human monocytes.                                                                                                                                                       |
| Conjugation                                     | PE-Cyanine7                                                                                                                                                                                          |
| Preparation and Storage                         | Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.                                                                                                                 |



**FCM/FACS (Flow Cytometry)**  
Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD11b (ICRF44) PE-Cy™7 antibody (4 ul reagent / 100 ul of peripheral whole blood).



**FCM/FACS (Flow Cytometry)**  
Separation of human neutrophil granulocytes (red-filled) from CD11b negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD11b (ICRF44) PE-Cy™7 antibody (4 ul reagent / 100 ul of peripheral whole blood).

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CD11b antibody</b> | 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. |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 224831239                              |
| NCBI GeneID                      | 3684                                   |
| NCBI Accession #                 | NP_001139280.1                         |
| NCBI GenBank Nucleotide #        | NP_001139280.1                         |
| UniProt Accession #              | P11215                                 |
| NCBI Official Full Name          | integrin alpha-M isoform 1             |
| NCBI Official Synonym Full Names | integrin subunit alpha M               |
| NCBI Official Symbol             | ITGAM                                  |
| NCBI Official Synonym Symbols    | CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6 |
| NCBI Protein Information         | integrin alpha-M                       |
| UniProt Protein Name             | Integrin alpha-M                       |
| UniProt Gene Name                | ITGAM                                  |
| UniProt Synonym Gene Names       | CD11B; CR3A                            |
| UniProt Entry Name               | ITAM_HUMAN                             |

**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.