

43-1012: Monoclonal Antibody to Human/Mouse CD11b NALE™ Purified (Clone: M1/70)

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| Clonality : | Monoclonal |
| Clone Name : | M1/70 |
| Application : | FACS |
| Reactivity : | Human |
| Gene : | ITGAM |
| Gene ID : | 3684 |
| Uniprot ID : | P11215/P05555 |
| Alternative Name : | CD11 antigen-like family member B, CR-3 alpha chain, Cell surface glycoprotein MAC-1 subunit alpha, Leukocyte adhesion receptor MO, Neutrophil adherence receptor, CR3A |
| Isotype : | Rat IgG2b, kappa |

Description

The M1/70 monoclonal antibody specifically reacts with the 170 kDa AlphaM integrin chain of mouse CD11b from the Mac-1 integrin (CD11b/CD18). Mac-1 binds to C3bi, CD54 (ICAM-1), and fibrinogen, and it is expressed by granulocytes, macrophages, NK cells, myeloid-derived dendritic cells, microglia, activated lymphocytes, and mouse B-1 cells. The expression is up-regulated on activated neutrophils at the same time that L-selectin is shed from the cell surface. The M1/70 antibody is used for the detection of monocytes, granulocytes, and a subset of natural killer cells in human peripheral blood. M1/70 blocks C3bi binding and cell adherence, but not cell-mediated lysis and it cross-reacts with human CD11b.

Product Info

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| Amount : | 100 µg |
| Content : | 2.0 mg/ml in Phosphate-buffered aqueous solution, pH7.2. |
| Storage condition : | The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. |

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.