

1P-595-C025

## Monoclonal Antibody to CD11b (mouse) Phycoerythrin (PE) conjugated (0.025 mg)

Clone: M1/70

**Isotype:** Rat IgG2b

Specificity: The rat monoclonal antibody M1/70 detects 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.

Regulatory Status: RUO

**Immunogen:** B10 mouse spleen cells enriched for T cells

Species Reactivity: Human, Non-Human Primates, Mouse, Rabbit

**Preparation:** The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum

conditions. The conjugate is purified by size-exclusion chromatography.

Concentration: 0.5 mg/ml

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not

use after expiration date stamped on vial label.

**Usage:** The reagent is designed for Flow Cytometry analysis.

Suggested working concentration is 0.5 µg/ml. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined

by the investigator.

**Expiration:** See vial label

Lot Number: See vial label

Background: 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.



## PRODUCT DATA SHEET

## References:

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\*And many other.

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