

11-595-C100

Monoclonal Antibody to CD11b (mouse) Purified Antibody (0.1 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
Application:	Flow Cytometry Recommended dilution: 1 µg/ml Immunoprecipitation Immunohistochemistry (frozen sections) Functional Application In vitro blocking of CD11b
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-G affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
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.

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

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- *And many other.

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