

TECHNICAL DATA SHEET

CyFlow™ CD11b FITC Anti-Hu/Ms; Clone M1/70

REF AE766092



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For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD11b
Alternative Names	Mac-1
Clone	M1/70
Clonality	monoclonal
Format	FITC
Host / Isotype	Rat / IgG2b
Species Reactivity	Human Mouse, Non-Human Primates Rabbit
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0,5 mg/mL]
Immunogen	B10 mouse spleen cells enriched for T cells

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services



Specificity

The rat monoclonal antibody M1/70 recognizes CD11b antigen, 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.

Application

The reagent is designed for Flow Cytometry analysis. Suggested working usage is 1- μ g/ml. Indicated dilution is recommended starting point for use of this product, but working concentrations should be validated by the investigator.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH \approx 7.4, containing 0.09% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD11b (integrin α M subunit) is a 165-170 kDa type I transmembrane glycoprotein that non-covalently associates with CD18 (integrin β 2 subunit); expression of the CD11b chain on the cell surface requires the presence of the CD18 antigen. CD11b/CD18 integrin 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.

Warnings

Non-Hazardous Statement: This is not considered hazardous by the criteria in 29 CFR 1910.1200 or the General Classification guideline for preparations of the EU.










Safety Data Sheet Statement: Important information regarding the safe handling, transport, and disposal of this product is contained in the Safety Data Sheet.

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services

References

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Symbols

	Reagent catalogue number		Contains sufficient for <n> tests
	For Research Use Only. Not for use in diagnostic and therapeutic procedures.		Temperature limitation
	Batch code		Keep away from sunlight
	Manufacturer		Consult accompanying documents
	Use by		