

TECHNICAL DATA SHEET

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

REF AX566986

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 | Low Endotoxin |
| Host / Isotype | Rat / IgG2b |
| Species Reactivity | Human Mouse, Non-Human Primates Rabbit |
| Negative Species Reactivity | — |
| Quantity [Concentration] | 0.1 mg [1 mg/ml] |
| Immunogen | B10 mouse spleen cells enriched for T cells |

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.

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Immunohistochemistry (frozen sections)
- Functional assays

Storage Buffer

The reagent is provided in azide-free phosphate buffered saline (PBS) solution, pH \approx 7.4; 0.2 μ m filter sterilized. Endotoxin level is less than 0.01 EU/ μ g of the protein, as determined by the LAL test.

Storage and Stability

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|------------------|---|
| 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 (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.

References

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

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