TECHNICAL DATA SHEET

CyFlow™ CD18 Low Endotoxin
Anti-Ms; Clone M18/2

REF **AJ518875**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD18
Alternative Names	b2 integrin
Clone	M18/2
Clonality	monoclonal
Format	Low Endotoxin
Host / Isotype	Rat / IgG2a
Species Reactivity	Mouse
Negative Species Reactivity	Dog
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Murine cytotoxic T cell glycoproteins

Specificity

The rat monoclonal antibody M18/2 recognizes mouse CD18 antigen, a 95 kDa type I transmembrane protein expressed on all leukocytes.

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Application

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

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunohistochemistry
- Functional assays

Storage Buffer

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

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

CD18 (integrin β2 subunit) forms heterodimers with four types of CD11 molecule to constitute leukocyte (β2) integrins: αLβ2 (CD11a/CD18, LFA-1), αMβ2 (CD11b/CD18, Mac-1, CR3), αXβ2 (CD11c/CD18) and αDβ2 (CD11d/CD18). In most cases, the response mediated by the integrin is a composite of the functions of its individual subunits. These integrins are essential for proper leukocyte migration, mediating intercellular contacts.

References

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

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