

TECHNICAL DATA SHEET

CyFlow™ HLA-DR+DP Alexa Fluor™ 700 Anti-Hu; Clone MEM-136

REF CP516366

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	HLA-DR+DP
Alternative Names	—
Clone	MEM-136
Clonality	monoclonal
Format	Alexa Fluor™ 700
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	PHA-activated peripheral blood lymphocytes

Specificity

The mouse monoclonal antibody MEM-136 recognizes common epitope on β -chain of human HLA-DR and HLA-DP. It reacts with α/β dimer as well as with dissociated β -subunit. DR and DP are the isotypes

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of human MHC Class II molecules expressed on antigen-presenting cells (APC; dendritic cells, B lymphocytes, monocytes, macrophages).

Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 4 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (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.

References

- Koch C, Staffler G, Huttinger R, Hilgert I, Prager E, Cerny J, Steinlein P, Majdic O, Horejsi V, Stockinger H: T cell activation-associated epitopes of CD147 in regulation of the T cell response, and their definition by antibody affinity and antigen density. Int Immunol. 1999 May; 11(5):777-86. < PMID: 10330283 >

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

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