

TECHNICAL DATA SHEET

CyFlow™ HLA-DR PE-Cy7 Anti-Hu; Clone L243

REF CY019403

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

Specifications

Antigen	HLA-DR
Alternative Names	—
Clone	L243
Clonality	monoclonal
Format	PE-Cy7
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human, Non-Human Primates Dog
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	Human B lymphocytes

Specificity

The mouse monoclonal antibody L243 recognizes specifically HLA-DR molecules, both peptide-loaded and empty. It is expressed on antigen-presenting cells (dendritic cells, B lymphocytes, monocytes, macrophages).

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com

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.

Background Information

HLA-DR, a member of MHC class II glycoproteins, that bind intracellularly processed peptides and present them to the Th cells, is composed of 36 kDa α chain and 27 kDa β chain, both anchored in the plasma membrane. Together with other MHC II molecules HLA-DR plays a central role in the immune system.

References

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

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