

## TECHNICAL DATA SHEET

### CyFlow™ HLA-DR Pacific Blue™ Anti-Hu; Clone L243

**REF** BB194354

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

### Specifications

|                                    |                                 |
|------------------------------------|---------------------------------|
| <b>Antigen</b>                     | HLA-DR                          |
| <b>Alternative Names</b>           | —                               |
| <b>Clone</b>                       | L243                            |
| <b>Clonality</b>                   | monoclonal                      |
| <b>Format</b>                      | Pacific Blue™                   |
| <b>Host / Isotype</b>              | Mouse / IgG2a                   |
| <b>Species Reactivity</b>          | Human, Non-Human Primates   Dog |
| <b>Negative Species Reactivity</b> | —                               |
| <b>Quantity</b>                    | 100 tests                       |
| <b>Immunogen</b>                   | 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).

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## 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 10<sup>6</sup> 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

|                  |                                                                               |
|------------------|-------------------------------------------------------------------------------|
| <b>Storage</b>   | Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze. |
| <b>Stability</b> | 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](http://www.sysmex-partec.com/services).

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