



T8-690-T025

## Monoclonal Antibody to HLA-DR PE-Cy<sup>™</sup>5 conjugated (25 tests)

Clone: L243

**Isotype:** Mouse IgG2a

**Specificity:** The mouse monoclonal antibody L243 recognizes specifically HLA-DR molecules,

both peptide-loaded and empty.

Regulatory Status: RUO

Immunogen: Human B lymphocytes

Species Reactivity: Human, Non-Human Primates, Canine (Dog)

Preparation: The purified antibody is conjugated with tandem dye PE-Cy™5 under optimum

conditions. The conjugate is purified by size-exclusion chromatography and

adjusted for direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution

containing 15mM sodium azide.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not

use after expiration date stamped on vial label.

**Usage:** The reagent is designed for Flow Cytometry analysis of human blood cells using 4

μl reagent / 100 μl of whole blood or 10<sup>6</sup> cells in a suspension.

The content of a vial (0.1 ml) is sufficient for 25 tests.

**Expiration:** See vial label

Lot Number: See vial label

Background: 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 alpha chain and 27 kDa beta chain, both anchored in the plasma membrane. Together with other MHC II molecules HLA-DR plays a central role in the immune system. It is expressed on antigen-presenting cells (dendritic cells, B lymphocytes,

monocytes, macrophages).



## PRODUCT DATA SHEET

## References:

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