EXBIO Antibodies

PRODUCT DATA SHEET

A6-690-T100

Monoclonal Antibody to HLA-DR Alexa Fluor® 647 conjugated (100 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 Alexa Fluor® 647 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 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 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).

For laboratory research only, not for drug, diagnostic or other use.

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References:

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