

Product Datasheet

Anti-HLA-DR PE (orb154521)

Description	Mouse monoclonal antibody conjugated to PE which recognizes HLA-DR that belongs to the MHC class II family. It localized in endoplasmic reticulum membrane, golgi apparatus. It binds peptides derived from antigens that access the endocytic route of antigen presenting cells (APC). HLA-DR is a heterodimeric transmembrane protein composed of alpha and beta subunits and plays an important role in the presentation of peptides to CD4+ T lymphocytes.
Reactivity	Canine, Human, Primate
Conjugation	PE
Tested Applications	FC
Immunogen	Human B lymphocytes
Target	HLA-DR
Preservatives	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.
Note	For research use only
Application notes	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Isotype	Mouse IgG2a kappa
Clonality	Monoclonal
Clone Number	L243
Antibody Type	Primary Antibody

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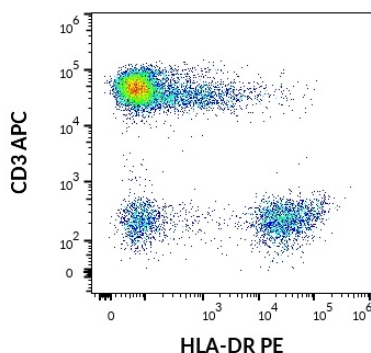
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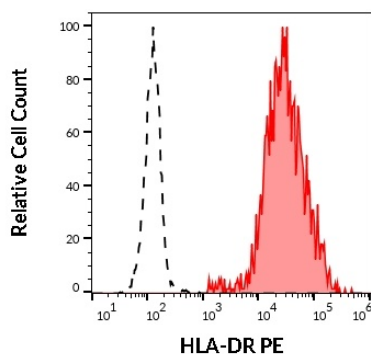
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Purity Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

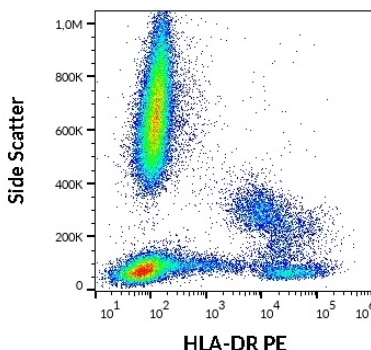
Expiration Date 12 months from date of receipt.



Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD3 (UCHT1) APC antibody (10 µl reagent / 100 µl of peripheral whole blood) and anti-human HLA-DR (L243) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).



Separation of human CD3 negative HLA-DR positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human HLA-DR (L243) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).



Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human HLA-DR (L243) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).

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