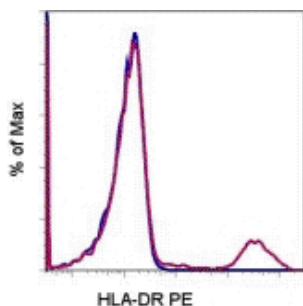


## Anti-Human HLA-DR PE

Catalog Number: 12-9952

Also Known As:

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with 0.25 ug of Mouse IgG2a kappa Isotype Control PE (cat. 12-4724) (blue histogram) or Anti-Human HLA-DR PE (purple histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human HLA-DR PE


**REF** **Catalog Number:** 12-9952

**Clone:** L243

**Concentration:** 5 µl (0.25 µg)/test


**Host/Isotype:** Mouse IgG2a, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

### Description

The L243 mAb reacts with the human major histocompatibility complex (MHC) class II, HLA-DR. HLA-DR is expressed on the surface of human antigen presenting cells (APC) including B cells, monocytes, macrophages, DCs, and activated T cells. 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<sup>+</sup> T lymphocytes. The L243 antibody recognizes a different epitope than the LN3 monoclonal antibody, and these antibodies do not cross-block binding to each other's respective epitopes.

### Applications Reported

This LN3 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This L243 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 µl (0.25 µg)/per test. A test is defined as the amount (µg)/test of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

### References

Brodsky FM. A matrix approach to human class II histocompatibility antigens: reactions of four monoclonal antibodies with the products of nine haplotypes. *Immunogenetics*. 1984;19(3):179-94

Engleman EG, Warnke R, Fox RI, Dilley J, Benike CJ, Levy R. Studies of a human T lymphocyte antigen recognized by a monoclonal antibody. *Proc Natl Acad Sci U S A*. 1981 Mar;78(3):1791-5.

### Related Products

12-4724 Mouse IgG2a K Isotype Control PE

12-9956 Anti-Human HLA-DR PE (LN3)