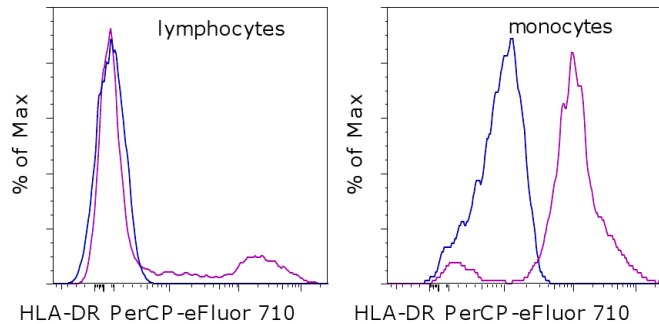


Anti-Human HLA-DR PerCP-eFluor[®] 710

Catalog Number: 46-9952

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



Staining of normal human peripheral blood cells with Mouse IgG2a kappa Isotype Control PerCP-eFluor[®] 710 (cat. 46-4724) (blue histogram) or Anti-Human HLA-DR PerCP-eFluor[®] 710 (purple histogram). Cells in the lymphocyte (left) or monocyte (right) gate were used for analysis.

Product Information

Contents: Anti-Human HLA-DR PerCP-eFluor[®] 710

REF **Catalog Number:** 46-9952

Clone: L243

Concentration: 5 μ L (0.06 μ g)/test

Host/Isotype: Mouse IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, contains stabilizer if necessary

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

Batch Code: Refer to vial

Use By: Refer to vial



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 α and β subunits and plays an important role in the presentation of peptides to CD4⁺ 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 Tested

This L243 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.06 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

PerCP-eFluor[®] 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor[®] 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor[®] 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click here or contact eBioscience Technical Support for more information on eFluor[™] Organic Dyes including PerCP-eFluor[®] 710.

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

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Engleman EG, Warnke R, Fox RI, Dille 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

46-4724 Mouse IgG2a K Isotype Control PerCP-eFluor® 710

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