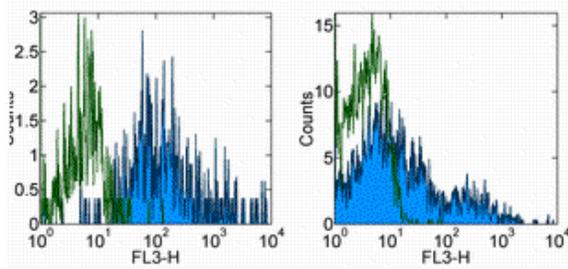


Anti-Human HLA-DR PE-Cyanine7

Catalog Number: 25-9956

Also Known As:

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



Staining of normal human peripheral blood cells with staining buffer (autofluorescence) (open histogram) or Anti-Human HLA-DR PE-Cyanine7 (filled histogram). Cells in the lymphocyte (right) or monocyte (left) gate were used for analysis.

Product Information

Contents: Anti-Human HLA-DR PE-Cyanine7

REF **Catalog Number:** 25-9956

Clone: LN3

Concentration: 5 uL (0.015 ug)/test

Host/Isotype: Mouse IgG2b, 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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



Batch Code: Refer to Vial

Use By: Refer to Vial

Contains sodium azide

Description

The LN3 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.

Applications Reported

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

Applications Tested

This LN3 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 μ L (0.015 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.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

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- Ioachim, H. L., S. E. Pambuccian, et al. 1996. Lymphoid monoclonal antibodies reactive with lung tumors. Diagnostic applications. *Am J Surg Pathol.* 20(1): 64-71.
- Davey, F. R., S. Olson, et al. 1988. The immunophenotyping of extramedullary myeloid cell tumors in paraffin-embedded tissue sections. *Am J Surg Pathol.* 12(9): 699-707.
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wax-embedded tissue. Am J Pathol. 128(2): 225-40.

Related Products

25-4732 Mouse IgG2b K Isotype Control PE-Cyanine7

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