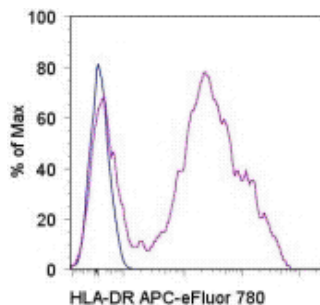


## Anti-Human HLA-DR APC-eFluor<sup>®</sup> 780

Catalog Number: 47-9956

Also Known As:

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



Staining of normal human peripheral blood cells with Mouse IgG2b kappa Isotype Control APC-eFluor<sup>®</sup> 780 (cat. 47-4732) (blue histogram) or Anti-Human HLA-DR APC-eFluor<sup>®</sup> 780 (purple histogram). Cells in the monocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human HLA-DR APC-eFluor<sup>®</sup> 780

**REF** Catalog Number: 47-9956

**Clone:** LN3

**Concentration:** 5 uL (0.03 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.

**LOT** 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  $\alpha$  and  $\beta$  subunits and plays an important role in the presentation of peptides to CD4<sup>+</sup> 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 normal human peripheral blood cells. This can be used at 5  $\mu$ L (0.03  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**APC-eFluor<sup>®</sup> emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.**

**Light sensitivity: Tandem 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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Hua, Z. X., K. E. Tanaka, et al. 1998. Immunoreactivity for LN2 and LN3 distinguishes small cell carcinomas from non-small cell carcinomas in the lung. *Hum Pathol.* 29(12): 1441-6.

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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**Related Products**

47-4732 Mouse IgG2b K Isotype Control APC-eFluor® 780

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