

# Anti-Human HLA-DR eFluor® 450

# Catalog Number: 48-9956

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



### 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 (0.125  $\mu$ 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.

# eFluor® 450 is a replacement for Pacific Blue®. eFluor® 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochome.

#### References

Fullen, D. R. and J. T. Headington. 1998. Factor XIIIa-positive dermal dendritic cells and HLA-DR expression in radial versus vertical growth-phase melanomas. J Cutan Pathol. 25(10): 553-8.

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.

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Davey, F. R., S. Olson, et al. 1988. The immunophenotyping of extramedullary myeloid cell tumors in paraffin-



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## **Related Products**

48-4732 Mouse IgG2b K Isotype Control eFluor® 450