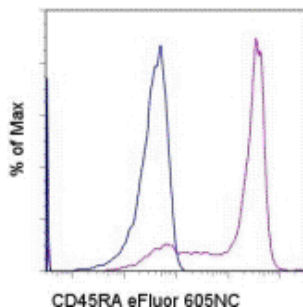


## Anti-Human CD45RA eFluor® 605NC

Catalog Number: 93-0458

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



Staining of normal human peripheral blood cells with Mouse IgG2b K Isotype Control eFluor® 605NC (cat. 93-4732) (blue histogram) or Anti-Human CD45RA eFluor® 605 NC (purple histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD45RA eFluor® 605NC

**REF** **Catalog Number:** 93-0458

**Clone:** HI100

**Concentration:** 5 µL

**Host/Isotype:** Mouse IgG2b, kappa

**HLDA Workshop:** IV N906

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



**Temperature Limitation:** Store at 2-8°C. Light sensitive material. This product is guaranteed for 6 months upon receipt when stored properly.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Caution, contains Azide**

### Description

The HI100 monoclonal antibody reacts with human CD45RA, a 220 kDa molecule expressed by subpopulations of CD4<sup>+</sup> peripheral T lymphocytes, CD8<sup>+</sup> peripheral T lymphocytes, and B cells. The CD45RA<sup>+</sup> T cell populations are mainly naive/virgin allowing the use of HI100 mAb as a phenotypic marker to discriminate T cell subsets.

### Applications Reported

This HI100 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This HI100 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL per test. A test is defined as the amount 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.

The Mouse IgG2b Isotype Control eFluor 605NC (cat.93-4732) should be used at 5 µL/test.

**Laser/Filter Recommendation:** When using eFluor 605NC, we recommend excitation with the 405nm violet laser with an appropriate filter set, such as the 595LP dichroic mirror with the 605/40 bandpass filter. An acceptable alternative is the 610/20 bandpass filter. For instruments not equipped with a violet laser, the eFluor 605NC is also excited by the 488 nm blue laser and can be used as a PE-Texas Red alternative.

**Fixation Recommendation:** When fixing samples that have been stained with nanocrystal reagents, we recommend keeping the total volume at approximately 200 µL of IC Fixation Buffer (cat. 00-8222) and the exposure time 30-60 minutes to preserve the optimal fluorescent signal from the nanocrystal reagent.

For answers about fixation and other questions, please refer to Nanocrystal Frequently Asked Questions or contact eBioscience Technical Support.

### References

Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.

### Related Products

00-4222 Flow Cytometry Staining Buffer

93-4732 Mouse IgG2b K Isotype Control eFluor® 605NC

### Legal

Under patent number: US 7,939,170 and additional pending patent application(s)

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