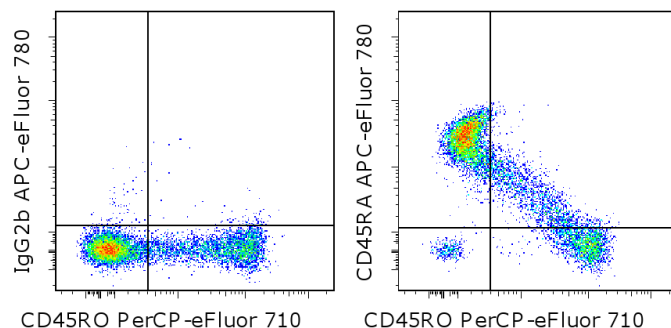


## Anti-Human CD45RA APC-eFluor® 780

**Catalog Number:** 47-0458

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



Staining of normal human peripheral blood cells with Anti-Human CD45RO PerCP-eFluor® 710 (cat. 46-0457) and Mouse IgG2b K Isotype Control APC-eFluor® 780 (cat. 47-4732) (left) or Anti-Human CD45RA APC-eFluor® 780 (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD45RA APC-eFluor® 780  
**Catalog Number:** 47-0458  
**Clone:** HI100  
**Concentration:** 5 uL (0.25 ug)/test  
**Host/Isotype:** Mouse IgG2b, kappa  
**HLDA Workshop:** IV N906

REF



**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

### Description

The HI100 monoclonal antibody reacts with human CD45RA, a 220 kDa molecule expressed by subpopulations of CD4+ peripheral T lymphocytes, CD8+ peripheral T lymphocytes, and B cells. The CD45RA+ 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 (0.25 µg) per test. A test is defined as the amount (µg) 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.

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

### Related Products

46-0457 Anti-Human CD45RO PerCP-eFluor® 710 (UCHL1)

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

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