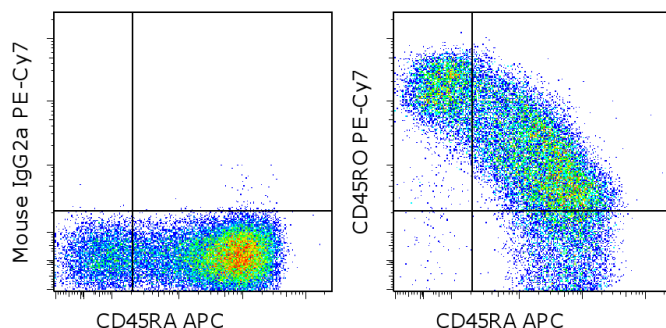


## Anti-Human CD45RO PE-Cyanine7

**Catalog Number:** 25-0457

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



Staining of normal human peripheral blood cells with Anti-Human CD45RA APC (cat. 17-0458) and Mouse IgG2a K Isotype Control PE-Cyanine7 (cat. 25-4724) (left) or Anti-Human CD45RO PE-Cyanine7 (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD45RO PE-Cyanine7

**Catalog Number:** 25-0457

**Clone:** UCHL1

**Concentration:** 5 µL (0.5 µg)/test

**Host/Isotype:** Mouse IgG2a, kappa

**HLDA Workshop:** IV N31

**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

### Description

The UCHL1 monoclonal antibody reacts with human CD45RO, a 180 kDa isoform of CD45. CD45RO is expressed by most thymocytes, activated memory T cells, granulocytes and monocytes. CD22 is a ligand for CD45RO. Expression of CD45RO and CD45RA is used commonly to discriminate subsets of peripheral T cells.

### Applications Reported

This UCHL1 antibody has been reported for use in flow cytometric analysis

### Applications Tested

This UCHL1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.5 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.

**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 µL cell sample + 100 µL 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

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

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### Related Products

17-0458 Anti-Human CD45RA APC (HI100)

25-4724 Mouse IgG2a K Isotype Control PE-Cyanine7

48-0047 Anti-Human CD4 eFluor® 450 (SK3 (SK-3))

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