

CD45RO Monoclonal Antibody (UCHL1), Super Bright™ 645, eBioscience™

| Product Details | |
|-----------------------------|--|
| Size | 100 Tests |
| Species Reactivity | Human |
| Host/Isotype | Mouse / IgG2a, kappa |
| Recommended Isotype Control | Mouse IgG2a kappa Isotype Control (eBM2a), Super Bright™ 645, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | UCHL1 |
| Conjugate | Super Bright™ 645 |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_2662468 |

| Applications | Tested Dilution | Publications |
|-----------------------|-------------------|--------------|
| Flow Cytometry (Flow) | 5µL (0.5 µg)/test | - |

Product Specific Information

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 10⁵ to 10⁸ cells/test.

Super Bright 645 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 645 nm. We recommend using a 660/20 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

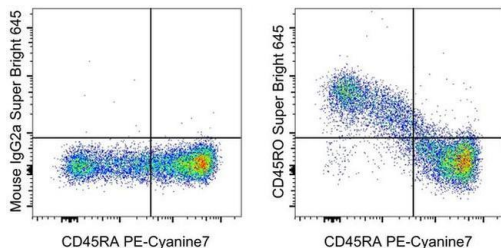
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L of cell sample + 100 μ L of 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.

Excitation: 405 nm; Emission: 645 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD45RO Monoclonal Antibody (UCHL1), Super Bright™ 645, eBioscience™



CD45RO Antibody (64-0457-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD45RA PE-Cyanine7 (Product # 25-0458-42) and Mouse IgG2a K Isotype Control Super Bright 645 (Product # 64-4724-82) (left) or Anti-Human CD45RO Super Bright 645 (right). Cells in the lymphocyte gate were used for analysis.

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