

## PE/Elab Fluor® 594 Anti-Human CD45RO Antibody[UCHL1]

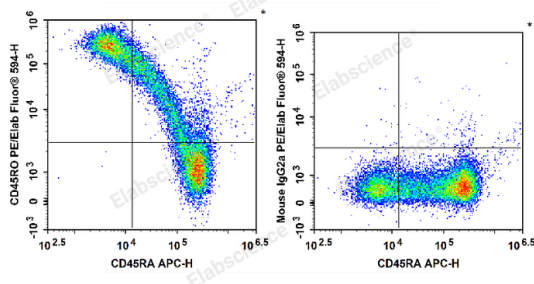
Catalog Number: GFH1139P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

| Description             |                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                             |
| Host                    | Mouse                                                                                                                                                                                                             |
| Isotype                 | Mouse IgG2a, κ                                                                                                                                                                                                    |
| Clone No.               | UCHL1                                                                                                                                                                                                             |
| Isotype Control         | PE/Elab Fluor® 594 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802P]                                                                                                                                 |
| Conjugation             | PE/Elab Fluor® 594                                                                                                                                                                                                |
| Conjugation Information | PE/Elab Fluor® 594 is designed to be excited by the blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 620 nm (e.g., a 610/20 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                                                               |

| Applications | Recommended usage                                                                                                                                                                                                                                                                                                                                                                   |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCM          | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |

### Data



Human peripheral blood lymphocytes are stained with APC Anti-Human CD45RA Antibody and PE/Elab Fluor® 594 Anti-Human CD45RO Antibody (Left). Lymphocytes are stained with APC Anti-Human CD45RA Antibody and PE/Elab Fluor® 594 Mouse IgG2a, κ Isotype Control (Right).

| Preparation & Storage |                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage               | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping              | Ice bag                                                                                                                                                   |
| Antigen Information   |                                                                                                                                                           |
| Gene ID               | 5788                                                                                                                                                      |

### For Research Use Only

## Background

CD45RO is a 180 kD single chain membrane glycoprotein. It is a splice variant of tyrosine phosphatase CD45, lacking the A, B, and C determinants. The CD45RO isoform is expressed on activated and memory T cells, some B cell subsets, activated monocytes/macrophages, and granulocytes. CD45RO enhances both T cell receptor and B cell receptor signaling mediated activation. CD45 and its isoforms non-covalently associate with lymphocyte phosphatase-associated phosphoprotein (LPAP) on T and B lymphocytes. CD45 has been reported to be associated with several other cell surface antigens including CD1, CD2, CD3, and CD4. CD45 has also been reported to bind galectin-1 and CD22. CD45 isoform expression can change in response to cytokines.