

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

Catalog Number: E-AB-F1139P

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% stabilizer. |

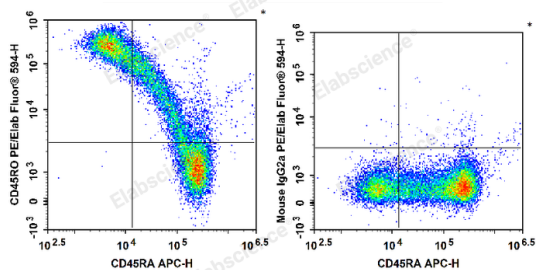
Applications

FCM

Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. **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).** 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

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|-----------------|---|
| Storage | Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag |

Antigen Information

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| Gene ID | 5788 |
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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.