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PE/Cyanine 5 Anti-Human CD45RO Antibody [UCHL1]

Catalog Number: E-AB-F1139G

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

Description

Reactivity Human Mouse Host

Isotype Mouse IgG2a, ĸ

Clone No. UCHL1

PE/Cyanine5 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802G] Isotype Control

Conjugation

Conjugation Information PE/Cyanine5 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 670 nm

(e.g., a 690/50 nm bandpass filter).

Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

Applications Recommended usage

FCM 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.

Preparation & Storage

Storage Keep as concentrated solution.

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

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.

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