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Biotin Anti-Human CD45RA Antibody[HI100]

Catalog Number: E-AB-F1052B

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

Description

Reactivity Human Mouse Host

Isotype Mouse IgG2b, ĸ

Clone No. HI100

Biotin Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09813B] Isotype Control

Biotin Conjugation

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

Applications Recommended usage

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

> cytometric staining, the suggested use of this reagent is ≤ 1.0 µg per 10⁶ cells in 100 µL volume or 100 µL of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD45;L-CA;Lv-5;Ptprc;Receptor-type tyrosine-protein phosphatase C;T200

Uniprot ID P08575 Gene ID 5788

Background CD45RA is a 205-220 kD single chain type I glycoprotein. It is an exon 4 splice variant

> of the tyrosine phosphatase CD45. The CD45RA is oform is expressed on resting/naïve T cells, medullary thymocytes, B cells and monocytes. CD45RA enhances both T cell

receptor and B cell receptor signaling. CD45 non-covalently associates 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.

CD45 isoform expression can change in response to cytokines.

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