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APC Anti-Mouse CD45.1 Antibody[A20]

Catalog Number: E-AB-F1184E

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

Description

Reactivity Mouse Host Mouse

Isotype Mouse IgG2a, κ

Clone No. A20

Isotype Control APC Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802E]

Conjugation APC

Conjugation Information APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

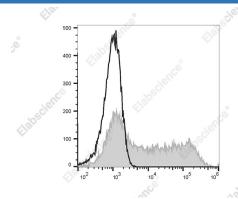
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



CHO cells transiently transfected with pcDNA3.1 plasmid encoding Mouse CD45.1 gene are stained with APC Anti-Mouse CD45.1 Antibody[A20] (filled gray histogram) or APC Mouse IgG2a, κ Isotype Control (empty black histogram).

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

Alternate Names CD45;L-CA;Ly-5;Ptprc;T200

Gene ID 19264

For Research Use Only

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Background

CD45.1 is an alloantigen of CD45, expressed by Ly5.1 bearing mouse strains (e.g., RII I, SJL/J, STS/A, DA). CD45, a member of the protein tyrosine phosphatase (PTP) family, is a 180-240 kD glycoprotein expressed on all hematopoietic cells except mature erythrocytes and platelets. There are multiple isoforms in mice that play key roles in TCR and BCR signal transduction. These isoforms are very specific to the activation and maturation states of the cell as well as specific cell types. The primary ligands for CD45 are galectin-1, CD2, CD3, CD4, TCR, CD22, and Thy-1.

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