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FITC Anti-Mouse CD45.1 Antibody[A20]

Catalog Number: E-AB-F1184UC

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

Description

Reactivity Mouse Mouse Host

Mouse IgG2a, κ Isotype

Clone No. A20

FITC Mouse IgG2a, K Isotype Control[C1.18.4] [Product E-AB-F09803C] Isotype Control

Conjugation

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

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

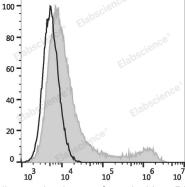
Applications Recommended usage

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

check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/10⁶ cells

in 100 µL volume].

Data



HEK293T cells transiently transfected with pcDNA3.1 plasmid encoding Mouse CD45.1 gene are stained with FITC Anti-Mouse CD45.1 Antibody (filled gray histogram) or FITC 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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