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Biotin Anti-Mouse CD45.2 Antibody[104.2]

Catalog Number: E-AB-F1122B

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

Description

Reactivity Mouse
Host Mouse

Isotype Mouse IgG2a, κ

Clone No. 104.2

Isotype Control Biotin Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09803B]

Conjugation Biotin

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. For flow

cytometric staining, the suggested use of this reagent is \leq 1.0 μ g per 10⁶ cells in 100 μ L volume or 100 μ L 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 LCA;Ly-5.2 Gene ID 19264

Background CD45.2 is an alloantigen of CD45, expressed by Ly5.2 bearing mouse strains (e.g., A,

AKR, BALB/c, CBA/Ca, CBA/J, C3H/He, C57BL, C57BR, C57L, C58, DBA/1, DBA/2, NZB, SWR, 129). 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 the mouse 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 type. The primary ligands for

CD45 are galectin-1, CD2, CD3, CD4, TCR, CD22, and Thy-1.