

A Reliable Research Partner in Life Science and Medicine

# FITC Anti-Mouse CD45.2 Antibody[104.2]

Catalog Number: E-AB-F1122UC

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

Conjugation FITC

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).

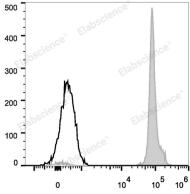
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### Applications Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. Please 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  $\mu$ g/10<sup>6</sup> cells in 100  $\mu$ L volume].

#### Data



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD45.2 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

#### **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 LCA;Ly-5.2 Gene ID 19264

## For Research Use Only

#### **Elabscience Bionovation Inc.**



A Reliable Research Partner in Life Science and Medicine

### **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.

Toll-free: 1-888-852-8623 Web:w w w .elabscience.com Fax: 1-832-243-6017