

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® Violet 450 Anti-Mouse CD45.1 Antibody[A20]

Catalog Number: E-AB-F1184UQ

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 Elab Fluor® Violet 450 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-

F09803Q1

Conjugation Elab Fluor® Violet 450

**Conjugation Information** Elab Fluor<sup>®</sup> Violet 450 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

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

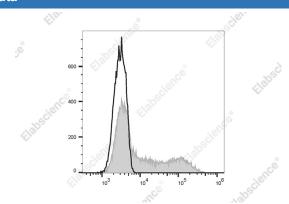
#### Applications Recommended usage

**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  $0.1-1 \mu g/10^6$  cells

in 100 μL volume].

#### Data



CHO cells transiently transfected with pcDNA3.1 plasmid

encoding Mouse CD45.1 gene are stained with Elab Fluor® Violet 450 Anti-Mouse CD45.1 Antibody[A20] (filled gray

histogram) or Elab Fluor<sup>®</sup> Violet 450 Mouse IgG2a,  $\kappa$  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

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

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# Elabscience®

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

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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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