

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® Violet 450 Anti-Mouse CD45 Antibody[30-F11]

Catalog Number: E-AB-F1136UQ

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

# **Description**

Reactivity Mouse Rat Host

Isotype Rat IgG2b, ĸ 30-F11 Clone No.

Isotype Control Elab Fluor® Violet 450 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843Q]

Conjugation Elab Fluor® Violet 450

**Conjugation Information** Elab Fluor® 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).

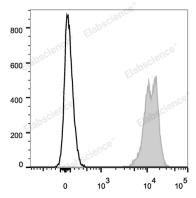
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **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 μg/10<sup>6</sup> cells in 100 µL volume].

#### Data



C57BL/6 murine splenocytes are stained with Elab Fluor® Violet 450 Anti-Mouse CD45 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

### **Preparation & Storage**

Keep as concentrated solution. **Storage** 

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;Lv-5;Ptprc;Receptor-type tyrosine-protein phosphatase C;T200

**Uniprot ID** P06800 Gene ID 19264

## For Research Use Only

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Rev. V1.7

## Elabscience Bionovation Inc.

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### **Background**

CD45 is a 180-240 kD glycoprotein also known as the leukocyte common antigen (LC A), T200, or Ly-5. It is a member of the protein tyrosine phosphatase (PTP) family, expressed on all hematopoietic cells except mature erythrocytes and platelets. There are different isoforms of CD45 that arise from alternative splicing of exons 4, 5, and 6, which encode A, B, and C determinants, respectively. CD45 plays a key role in TCR and BCR signal transduction. These isoforms are very specific to the activation and maturation state of the cell as well as cell type. The primary ligands for CD45 are galectin-1, CD2, CD3, CD4, TCR, CD22, and Thy-1.

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