

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Violet 610 Anti-Rat CD45 Antibody[OX-1]

Catalog Number: E-AB-F1227UT

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

Description

Reactivity Rat
Host Mouse

Isotype Mouse IgG1, κ

Clone No. OX-1

Isotype Control Elab Fluor® Violet 610 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-

F09792T1

Conjugation Elab Fluor[®] Violet 610

Conjugation Information Elab Fluor® Violet 610 is designed to be excited by the violet laser (405 nm) and detected

using an optical filter centered near 613 nm (e.g., a 615/20 nm bandpass filter).

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

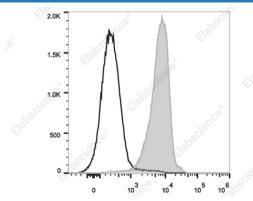
Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

Data



Staining of normal Rat splenocytes with Elab Fluor[®] Violet 610 Anti-Rat CD45 Antibody[OX-1] (filled gray histogram) or

Elab Fluor[®] Violet 610 Mouse IgG1, κ Isotype Control (empty black histogram). Total viable cells were used for analysis.

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; T200; Leukocyte common antigen; Ptprc; Receptor-type tyrosine-protein

phosphatase C

Uniprot ID P04157

For Research Use Only

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Elabscience Bionovation Inc.

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Gene ID Background 19265

Elabscience®

CD45 is a 180-220 kD protein also known as leukocyte common antigen (LCA). It is a protein tyrosine phosphatase with multiple isoforms differing as a result of alternative splicing of the extracellular domain and glycosylation. CD45 is expressed on all hematopoietic cells except erythrocytes and platelets; isoform expression depends on cell type, activation state, and cell maturation. CD45 functions in signal transduction through T and B cell antigen receptors. CD45 has been shown to interact with various proteins including galectin-1, CD2, CD3, and CD4. The OX-1 antibody has been shown to partially inhibit NK cell-mediated lysis of syngeneic tumor cells in vitro.

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