

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Violet 500 Anti-Rat CD45 Antibody[OX-1]

Catalog Number: E-AB-F1227UR

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 500 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-

F09793R1

Conjugation Elab Fluor® Violet 500

Conjugation Information Elab Fluor® Violet 500 is designed to be excited by the violet laser (405 nm) and detected

using an optical filter centered near 501 nm (e.g., a 525/45 nm bandpass filter).

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

Applications Recommended usage

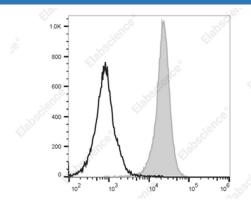
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

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 μ g/10⁶ cells in 100 μ L volume]

in 100 µL volume].

Data



Staining of normal Rat splenocytes with Elab Fluor $^{\! @}$ Violet 500 Anti-Rat CD45 Antibody[OX-1] (filled gray histogram) or

Elab Fluor[®] Violet 500 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

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

Web:www.elabscience.com Email:techsupport@elabscience.com

Elabscience Bionovation Inc.

A Reliable Research Partner in Life Science and Medicine

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.

Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Web:www.elabscience.com