

A Reliable Research Partner in Life Science and Medicine

# FITC Anti-Rat CD45 Antibody[OX-1]

Catalog Number: E-AB-F1227UC

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 FITC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793C]

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

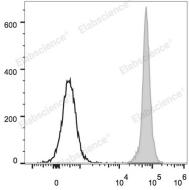
**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. Please

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  $\mu\text{g}/10^6$  cells

in 100 µL volume].

# Data



Rat splenocytes are stained with FITC Anti-Rat CD45 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 LCALy-5T200;Leukocyte common antigen;Ptprc;Receptor-type tyrosine-protein

phosphatase C

 Uniprot ID
 P04157

 Gene ID
 19265

# 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®

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

A Reliable Research Partner in Life Science and Medicine

# **Background**

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 Email:techsupport@elabscience.com