# Elab Fluor® Red 780 Anti-Rat CD45 Antibody[OX-1]

**Catalog Number:** E-AB-F1227S

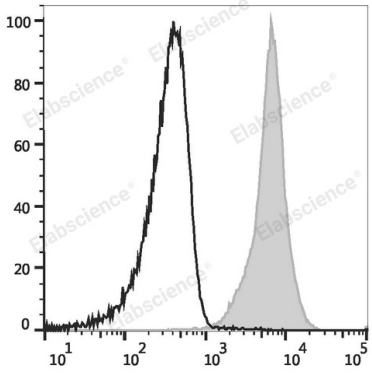
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Rat |
| **Host** | Mouse |
| **Isotype** | Mouse IgG1, κ |
| **Clone No.** | OX-1 |
| **Isotype Control** | Elab Fluor® Red 780 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792S] |
| **Conjugation** | Elab Fluor®Red 780 |
| **Conjugation Information** | Elab Fluor® Red 780 is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 770 nm (e.g., a 780/60 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 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |

## Data




Rat splenocytes are stained with Elab Fluor® Red 780 Anti-Rat CD45 Antibody (filled gray histogram) or Elab Fluor® Red 780 Mouse IgG1, κ Isotype Control (empty black histogram).

## Preparation & Storage

| | |
|---|---|
| **Storage** | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 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**

**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.


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