Elab Fluor® 700 Anti-Rat CD45 Antibody[OX-1]

Catalog Number: E-AB-F1227M1

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

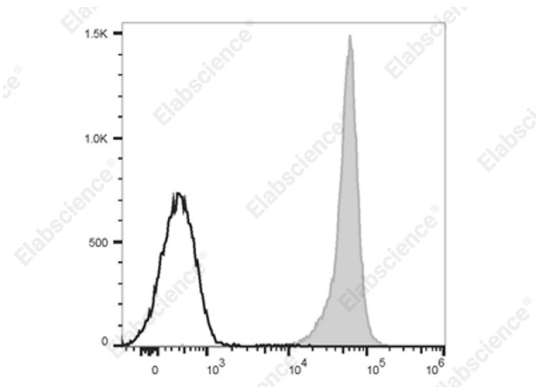
Description

Reactivity	Rat
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	OX-1
Isotype Control	Elab Fluor® 700 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M1]
Conjugation	Elab Fluor®700
Conjugation Information	Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 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. **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



Staining of Rat splenocytes with Elab Fluor® 700 Anti-Rat CD45 Antibody[OX-1] (filled gray histogram) or Elab Fluor® 700 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 24 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
Gene ID	19265

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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.

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