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PerCP/Cyanine5.5 Anti-Rat CD45 Antibody[OX-1]

Catalog Number: E-AB-F1227J

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

Description

Reactivity Rat Mouse Host

Isotype Mouse IgG1, ĸ

Clone No. OX-1

PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792J] **Isotype Control**

PerCP/Cyanine 5.5 Conjugation

Conjugation Information PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected

using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

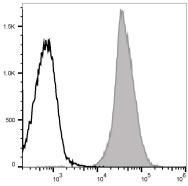
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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 PerCP/Cyanine5.5 Anti-Rat CD45 Antibody[OX-1] (filled gray histogram) or PerCP/Cyanine5.5 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 LCALy-5T200;Leukocyte common antigen;Ptprc;Receptor-type tyrosine-protein

phosphatase C

Uniprot ID P04157 Gene ID 19265

For Research Use Only

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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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