

Manufacturer/Supplier:

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Product name: Anti-Rat CD45 Monoclonal Antibody(PE/Cyanine5
Conjugated)

Catalog: DL22306F

Synonyms: Receptor-type tyrosine-protein phosphatase
C, Leukocyte common antigen, LCA, T200,
Ly-5, Ptpcr

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.

Form: Liquid

Isotype: Mouse IgG1, κ

Size:

50Tests/100Tests/100Tests \times 2

Host: Mouse

Reactivity: Rat

Application: FCM

Concentration: 5 μ L

Conjugation: PE/Cyanine5

SwissProt: P04157

Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

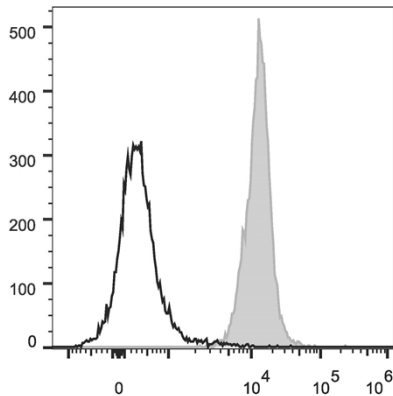
Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L 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 Anti-Rat CD45 Monoclonal Antibody(PE/Cyanine5 Conjugated)(filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.



Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.