

Manufacturer/Supplier:

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Product name: Anti-Human CD45 Monoclonal Antibody(FITC
Conjugated)

Catalog: DL21697F

Synonyms: Receptor-type tyrosine-protein phosphatase
C, Ptpcr, L-CA, Ly-5, T200, CD45

Background: CD45 is a 180 - 240 kD single chain type I membrane glycoprotein also known as leukocyte common antigen (LCA) and T200. It is a tyrosine phosphatase expressed on the plasma membrane of all hematopoietic cells, except erythrocytes or platelets. CD45 is a signaling molecule that regulates a variety of cellular processes including cell growth, differentiation, cell cycle, and oncogenic transformation. CD45 plays a critical role in T and B cell antigen receptor-mediated activation by

dephosphorylating substrates including p56Lck, p59Fyn, and other Src family kinases. CD45 non-covalently associates with lymphocyte phosphatase-associated phosphoprotein (LPAP) on T and B lymphocytes. CD45 has been reported to bind galectin-1 and to be associated with several other cell surface antigens including CD1, CD2, CD3, and CD4.

Form: Liquid

Isotype: Mouse IgG1, κ

Size:

20Tests/100Tests/100Tests \times 2

Host: Mouse

Reactivity: Human

Application: FCM

Concentration: 5 μ L

Conjugation: FITC

SwissProt: P08575

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

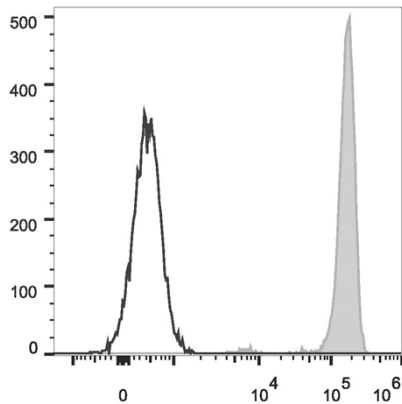
Recommended Use:

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:

Human peripheral blood lymphocytes are stained with Anti-Human CD45 Monoclonal Antibody(FITC Conjugated)(filled gray histogram). Unstained lymphocytes (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.