

PE/Cyanine7 Anti-Human CD2 Antibody[RPA-2.10]

Catalog Number: E-AB-F1375H

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

Description

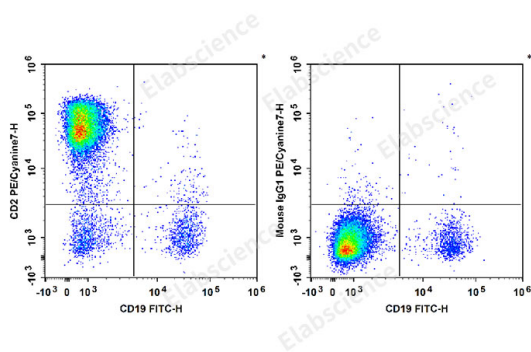
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	RPA-2.10
Isotype Control	PE/Cyanine7 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792H]
Conjugation	PE/Cyanine 7
Conjugation Information	PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm (e.g., a 780/60 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

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.
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Data



Human peripheral blood lymphocytes are stained with FITC Anti-human CD19 Antibody and PE/Cyanine7 Anti-Human CD2 Antibody[RPA-2.10] (Left). Lymphocytes are stained with FITC Anti-human CD19 Antibody and PE/Cyanine7 Mouse IgG1, κ Isotype Control (Right).

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	Erythrocytereceptor;LFA-2;LFA-3R;T-cellsurfaceantigenCD2;T11/Leu-5
Uniprot ID	P06729

For Research Use Only

Background

CD2 is a 50 kD type I transmembrane glycoprotein also known as LFA-2, T11, and sheep red blood cell receptor (SRBC-R). This immunoglobulin superfamily member is expressed on thymocytes, T lymphocytes, NK cells, and thymic B cell subsets. The major ligand for CD2 is CD58 (also known as LFA-3). CD2 has also been reported to bind CD48, CD59, and CD15. CD2 plays a critical role in alternative T cell activation, T cell signaling, and cell-cell adhesion.

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