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# FITC Anti-Human CD2 Antibody[RPA-2.10]

Catalog Number: E-AB-F1375C

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 FITC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792C]

Conjugation FITC

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

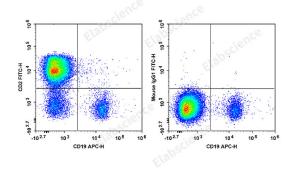
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

## 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ 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 APC Anti-human CD19 Antibody and FITC Anti-Human CD2 Antibody[RPA-2.10] (Left). Lymphocytes are stained with APC Anti-human CD19 Antibody and FITC Mouse IgG1,  $\kappa$  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 lce bag

## **Antigen Information**

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

 Uniprot ID
 P06729

 Gene ID
 914

# For Research Use Only

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# **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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