

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 700 Anti-Human CD2 Antibody[RPA-2.10]

Catalog Number: E-AB-F1375M1

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

Description

Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ Clone No. RPA-2.10

Isotype Control Elab Fluor® 700 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M1]

Conjugation Elab Fluor®700

Conjugation Information Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

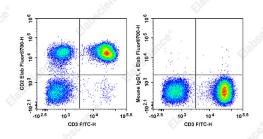
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

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 normal human peripheral blood cells with FITC

Anti-Human CD3 Antibody[OKT-3] and Elab Fluor® 700 Anti-Human CD2 Antibody[RPA-2.10](left) or Elab Fluor® 700 Mouse IgG1, κ Isotype Control(right). Cells in the lymphocytes gate 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 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.