

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 488 Anti-Human CD29 Antibody[TS2/16.2.1]

Catalog Number: E-AB-F1049L

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

Description

Reactivity Human Host Mouse

Isotype Mouse IgG1, κ **Clone No.** TS2/16.2.1

Isotype Control Elab Fluor® 488 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792L]

Conjugation Elab Fluor® 488

Conjugation Information Elab Fluor[®] 488 is designed to be excited by the Blue laser (488 nm) and detected using

an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

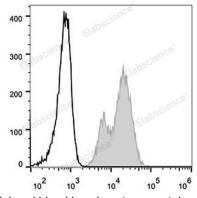
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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 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 Elab

Fluor[®] 488 Anti-Human CD29 Antibody (filled gray histogram). Unstained lymphocytes (empty black histogram) are used as control.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

Rev. V1.7

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD29;Fibronectin receptor subunit beta;ITB1;Integrin beta-1;Itgb1;VLA-4 subunit beta

 Uniprot ID
 P05556

 Gene ID
 3688

For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web:www.elabscience.com
 Email:techsupport@elabscience.com

Elabscience Bionovation Inc.



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Background

CD29 is a 130 kD single chain type I glycoprotein also known as integrin β 1, VLA- β chain, or gplla. It is broadly expressed on a majority of hematopoietic and nonhematopoietic cells, including leukocytes (although at low level on granulocytes), platelets, fibroblasts, endothelial cells, epithelial cells, and mast cells. CD29 is a member of the integrin family. It is non-covalently associated with integrin α 1- α 6 chains to form VLA-1 to VLA-6 molecules, respectively. Integrins, which include CD29, bind to several cell surface (e.g. VCAM-1, MadCAM-1) and extracellular matrix molecules. CD29 acts as a fibronectin receptor and is involved in a variety of cell-cell and cell-matrix interactions.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086
Web:www.elabscience.com Email:techsupport@elabscience.com

Fax: 1-832-243-6017