

## PE/Elab Fluor® 594 Anti-Human CD29 Antibody[TS2/16.2.1]

**Catalog Number:** E-AB-F1049P

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

### Description

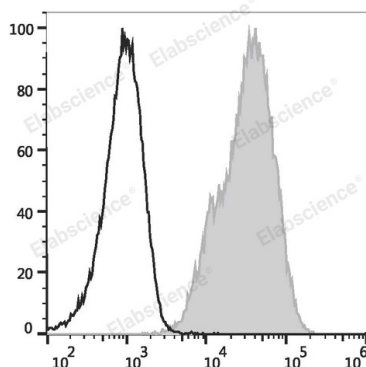
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, κ
<b>Clone No.</b>	TS2/16.2.1
<b>Isotype Control</b>	PE/Elab Fluor® 594 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792P]
<b>Conjugation</b>	PE/Elab Fluor® 594
<b>Conjugation Information</b>	PE/Elab Fluor® 594 is designed 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 620 nm (e.g., a 610/20 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

### Applications

#### Recommended usage

<b>FCM</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>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).</b> 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 PE/Elab Fluor® 594 Anti-Human CD29 Antibody (filled gray histogram) or PE/Elab Fluor® 594 Mouse IgG1 Isotype Control (empty black histogram).

### Preparation & Storage

<b>Storage</b>	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.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	CD29;Fibronectin receptor subunit beta;ITB1;Integrin beta-1;Itgb1;VLA-4 subunit beta
<b>Uniprot ID</b>	P05556

### For Research Use Only

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Rev. V1.6

**Gene ID**

3688

**Background**

CD29 is a 130 kD single chain type I glycoprotein also known as integrin  $\beta 1$ , VLA- $\beta$  chain, or gp11a. It is broadly expressed on a majority of hematopoietic and non-hematopoietic 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  $\alpha 1$ - $\alpha 6$  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.