

For Research Use Only

# FcZero-rAb™ PE Anti-Human CD29 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98188



## Basic Information

### Catalog Number:

PE-FcA98188

### Concentration:

100 tests, 5 µl/test

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

EG2093

### GenBank Accession Number:

BC020057

### GeneID (NCBI):

3688

### ENSEMBL Gene ID:

ENSG00000150093

### Full Name:

integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)

### Calculated MW:

88 kDa

### Purification Method:

Protein A purification

### CloneNo.:

241685C10

### Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in a 100 µl suspension

### Excitation/Emission maximum wavelengths:

496 nm, 565 nm / 578 nm

## Applications

### Tested Applications:

FC

### Species Specificity:

human

### Positive Controls:

FC : human PBMCs,

## Background Information

Integrin beta-1 (ITGB1), also named as CD29, is a 130 kDa single chain type I glycoprotein that is expressed in a heterodimeric complex with one of six distinct  $\alpha$  subunits, comprising the very late activation antigen (VLA) subfamily of adhesion receptors. It is one of the essential surface molecules expressed on human MSC from bone marrow and other sources. The  $\beta$  1 subunit is also broadly expressed on lymphocytes and monocytes, weakly expressed on granulocytes, and not expressed on erythrocytes. These receptors are involved in a variety of cell-cell and cell-matrix interactions.

## Storage

### Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:

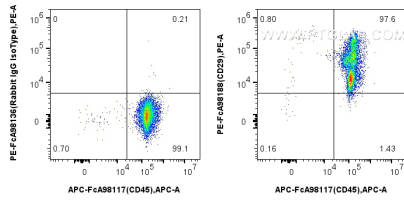
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul FcZero-rAb™ APC Anti-Human CD45, and 5 ul PE Anti-Human CD29 Rabbit RecAb (PE-FcA98188, Clone: 241685C10) or FcZero-rAb™ PE Rabbit IgG Isotype Control Recombinant Antibody (PE-FcA98136, Clone: 240953C9). Cells were not fixed.