

For Research Use Only

# FcZero-rAb® Biotin Anti-Human Integrin Beta 1/CD29 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98188



## Basic Information

<b>Catalog Number:</b> Biotin-FcA98188	<b>GenBank Accession Number:</b> BC020057	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 500 ug/ml	<b>GeneID (NCBI):</b> 3688	<b>CloneNo.:</b> 241685C10
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000150093	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P05556	
<b>Immunogen Catalog Number:</b> EG2093	<b>Full Name:</b> integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	
	<b>Calculated MW:</b> 88 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : human PBMCs,
<b>Species Specificity:</b> human	

## 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, pH7.3

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

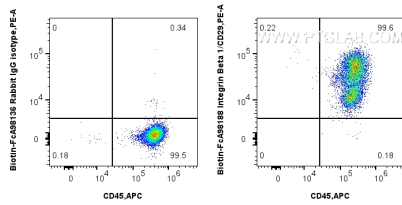
T: 4006900926

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

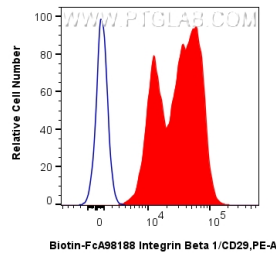
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human Integrin Beta 1/CD29 Rabbit RecAb (Biotin-FcA98188, Clone: 241685C10) or Isotype Control, and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb® APC Anti-Human CD45 Rabbit Recombinant Antibody (APC-FcA98117, Clone: 241670E10). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human Integrin Beta 1/CD29 Rabbit RecAb (Biotin-FcA98188, Clone: 241685C10) (red) or Isotype Control (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.