

For Research Use Only

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

Catalog Number: PE-FcA98188



## Basic Information

<b>Catalog Number:</b> PE-FcA98188	<b>GenBank Accession Number:</b> BC020057	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100tests , 5 ul/test	<b>GeneID (NCBI):</b> 3688	<b>CloneNo.:</b> 241685C10
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000150093	<b>Recommended Dilutions:</b> FC: 5 ul per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Immunogen Catalog Number:</b> EG2093	<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.

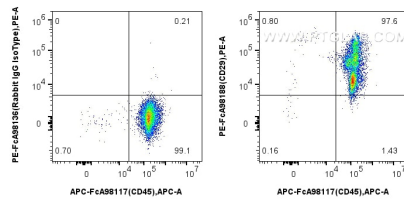
## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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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.