

For Research Use Only

# CD29 Recombinant antibody, PBS Only

Catalog Number: 85005-1-PBS



## Basic Information

<b>Catalog Number:</b> 85005-1-PBS	<b>GenBank Accession Number:</b> BC020057	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 3688	<b>CloneNo.:</b> 241684B11
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000150093	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P05556	
	<b>Full Name:</b> integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	
	<b>Calculated MW:</b> 88 kDa	

## Applications

**Tested Applications:**  
IF/ICC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Integrin beta-1 (ITGB1), also named as CD29, is a 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

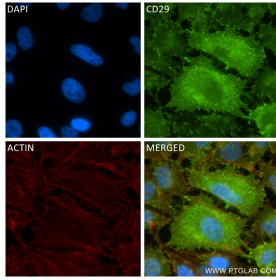
T: 4006900926

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

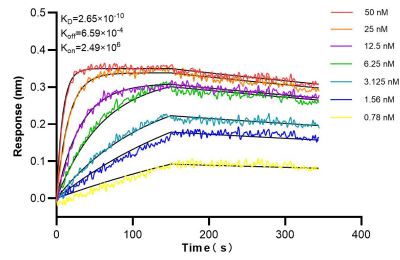
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CD29 antibody (85005-1-RR, Clone: 241684B11 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 85005-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85005-1-RR against Human CD29 were performed. The affinity constant is 0.265 nM.