

For Research Use Only

CD29 Recombinant antibody

Catalog Number:85005-1-RR



Basic Information

Catalog Number: 85005-1-RR	GenBank Accession Number: BC020057	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3688	CloneNo.: 241684B11
Source: Rabbit	ENSEMBL Gene ID: ENSG00000150093	Recommended Dilutions: IF/ICC 1:200-1:800
Isotype: IgG	UNIPROT ID: P05556	
	Full Name: integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	
	Calculated MW: 88 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : HeLa cells,
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 α 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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

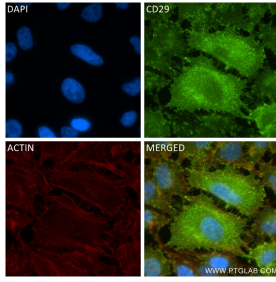
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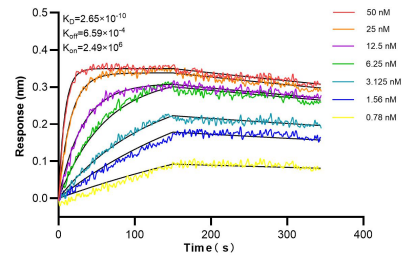
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Selected Validation Data



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).



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