

For Research Use Only

ACVRL1 Recombinant antibody

Catalog Number: 84421-1-RR



Basic Information

Catalog Number: 84421-1-RR	GenBank Accession Number: BC042637	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 94	CloneNo.: 241686B9
Source: Rabbit	UNIPROT ID: P37023	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: activin A receptor type II-like 1	
	Calculated MW: 56 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : Jurkat cells,
Species Specificity: human	

Background Information

ACVRL1 (also known as ALK1) is a type I cell-surface receptor for the TGF-beta superfamily of ligands. It shares with other type I receptors a high degree of similarity in serine-threonine kinase subdomains, a glycine- and serine-rich region (called the GS domain) preceding the kinase domain, and a short C-terminal tail. ACVRL1 is highly expressed in endothelial cells and has a critical role in the control of blood vessel development and repair (PMID: 8640225). Mutations in the ACVRL1 gene are associated with hemorrhagic telangiectasia type 2.

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

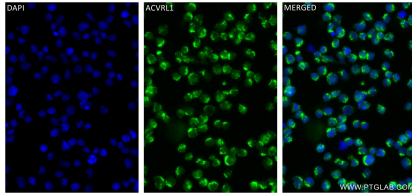
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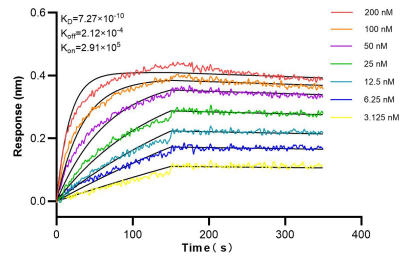
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using ACVRL1 antibody (84421-1-RR, Clone: 241686B9) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84421-1-RR against Human ACVRL1 were performed. The affinity constant is 0.727 nM.