

For Research Use Only

L-Plastin Recombinant monoclonal antibody

Catalog Number:86299-3-RR



Basic Information

Catalog Number: 86299-3-RR	GenBank Accession Number: BC010271	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3936	CloneNo.: 251063A3
Source: Rabbit	UNIPROT ID: P13796	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
Isotype: IgG	Full Name: lymphocyte cytosolic protein 1 (L-plastin)	
Immunogen Catalog Number: AG3571	Calculated MW: 627 aa, 64 kDa	
	Observed MW: 64-70 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : K-562 cells, Ramos cells, Jurkat cells, mouse spleen tissue
	IF/ICC : Jurkat cells,

Background Information

LCP1, also known as L-Plastin, is a member of the Plastin gene family. The family members include L-Plastin (LCP1), T-Plastin (PLS3), and I-Plastin (PLS1), which can regulate the dynamic reorganization of the cytoskeleton by binding and cross-linking actin filaments. In lymphocytes, LCP1 can regulate immune responses, especially during inflammation and infection. It acts as a key regulator of T-cell activation by responding to co-stimulatory signals through TCR/CD3 and CD2 or CD28, and regulates the cell-surface expression of IL2RA/CD25 and CD69 (PMID: 17294403).

Storage

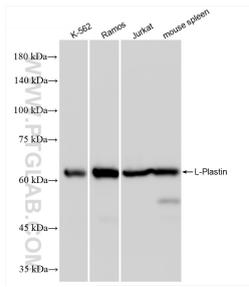
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

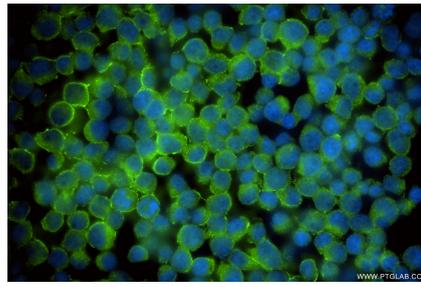
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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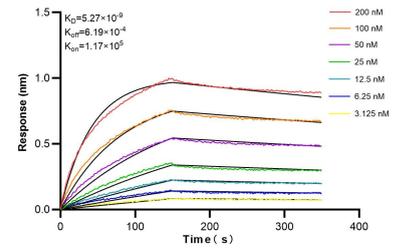
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86299-3-RR (L-Plastin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using L-Plastin antibody (86299-3-RR, Clone: 251063A3) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Bi-layer interferometry (BLI) kinetic assays of 86299-3-RR against Human L-Plastin were performed. The affinity constant is 5.27 nM.