

For Research Use Only

L-Plastin Recombinant antibody, PBS Only

Catalog Number:[86299-3-PBS](#)



Basic Information

Catalog Number:	86299-3-PBS	GenBank Accession Number:	Purification Method:
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	Protein A purification
Source:	Rabbit	CloneNo.:	3936
Isotype:	IgG	UNIPROT ID:	P13796
Immunogen Catalog Number:	AG3571	Full Name:	lymphocyte cytosolic protein 1 (L-plastin)
		Calculated MW:	627 aa, 64 kDa
		Observed MW:	64-70 kDa

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse

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).

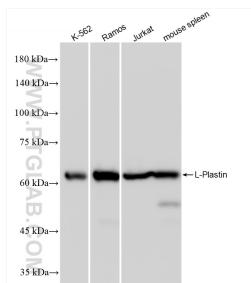
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

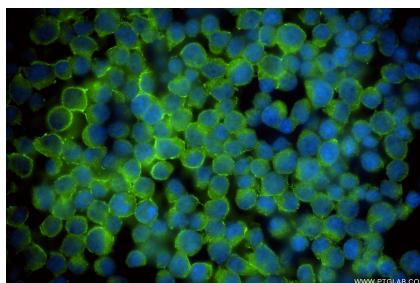
For technical support and original validation data for this product please contact:
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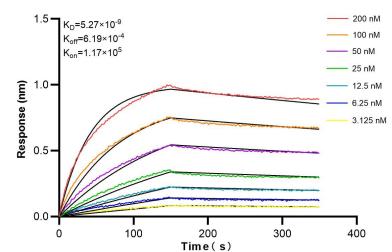
Selected Validation Data



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. This data was developed using the same antibody clone with 86299-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86299-3-PBS in a different storage buffer formulation.



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