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30-1274: Anti-LIME Monoclonal Antibody (Clone:LIME-10)

Clonality :	Monoclonal
Clone Name :	LIME-10
Application :	WB, IHC
Reactivity :	Human
Gene :	LIME1
Gene ID :	54923
Uniprot ID :	Q9H400
Format :	Purified
Alternative Name :	LIME1,LIME,LP8067
Isotype :	Mouse IgG2a
Immunogen Information :	COOH-terminal peptide comprising residues 281-296 of the human LIME conjugated to keyhole limpet hemocyanin.

Description

LIME (Lck-interacting molecule) is a 30 kDa double-palmitoylated protein with unusually basic cytoplasmic domain, expressed by T cells. After ligation of CD4 or CD8 T cell coreceptors, LIME is phosphorylated by Src-family kinases and associates with Lck and Fyn kinases and with their negative regulator Csk. Interestingly, Csk-mediated phosphorylation of C-terminal negative-regulatory tyrosine of LIME-associated Lck can result in increase of enzymatic activity compared with the total pool of Lck, thus, LIME serves as a positive regulator of TCR-dependent T cell signaling. However, under some circumstances, LIME may mediate inhibitory signals.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

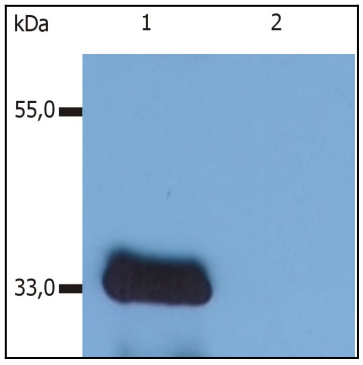

Figure 1: Western Blotting analysis (reducing conditions) of human LIME using anti-human LIME (LIME-10). Lane 1: J77 cell line transfected with LIME. Lane 2: non-transfected J77 cell line (cells are essentialy devoid of endogenous LIME expression)

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