

### 30-1273: Anti-LIME Monoclonal Antibody (Clone:LIME-06)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	LIME-06
<b>Application :</b>	IP
<b>Reactivity :</b>	Human
<b>Gene :</b>	LIME1
<b>Gene ID :</b>	54923
<b>Uniprot ID :</b>	Q9H400
<b>Format :</b>	Purified
<b>Alternative Name :</b>	LIME1,LIME,LP8067
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Bacterially expressed intracellular fragment corresponding to aa 141-295 of human LIME.

#### 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

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

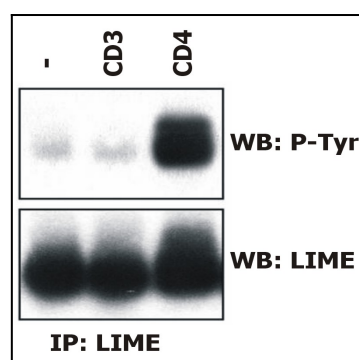


Figure 1: Induction of LIME tyrosine phosphorylation. Peripheral blood T cells were left unstimulated (-) or stimulated with anti-human CD3 (MEM-92; )