

**30-2225: PE Conjugated 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>Conjugate :</b>	PE
<b>Gene :</b>	LIME1
<b>Gene ID :</b>	54923
<b>Uniprot ID :</b>	Q9H400
<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>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.