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30-1432: Anti-LIME Monoclonal Antibody (Clone:mLIME-05)

Clonality: Monoclonal
Clone Name: mLIME-05
Application: IP, WB
Reactivity: Mouse
Format: Purified
Isotype: Mouse IgG2a

Immunogen Information: Recombinant protein corresponding to amino acids 86-202 of mouse 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

Amount: 0.1 mg

Purification : Purified by protein-A affinity chromatography

Storage condition : Store at 2-8°C. Do not freeze.

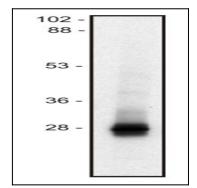


Figure 1: Western blot of mouse thymocyte lysate (1% SDS); non-reduced sample, immunostained by mAb mLIME-05 and goat anti-mouse $IgG\ (H+L)$ -HRP conjugate.