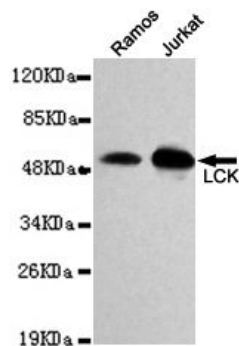




LCK

Mouse monoclonal Antibody

#53515

Catalog Number: 53515**Amount:** 100µg/100µl**Swiss-Prot No. :** P06239**Gene name:** lck**Gene id:** 3932**Clone Number:** 3E5-C8-B9**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human LCK protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of LCK and does not cross-react with related proteins**Reactivity:** Human**Applications:** Predicted MW: 58kd WB: 1:1000

Western blot detection of LCK in Jurkat and Ramos cell lysates and using LCK mouse mAb (1:1000 diluted). Predicted band size: 58KDa. Observed band size: 58KDa.

Background:

This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein is a key signaling molecule in the selection and maturation of developing T-cells. It contains N-terminal sites for myristylation and palmitoylation, a PTK domain, and SH2 and SH3 domains which are involved in mediating protein-protein interactions with phosphotyrosine-containing and proline-rich motifs, respectively. The protein localizes to the plasma membrane and pericentrosomal vesicles, and binds to cell surface receptors, including CD4 and CD8, and other signaling molecules. Multiple alternatively spliced variants, encoding the same protein, have been described.