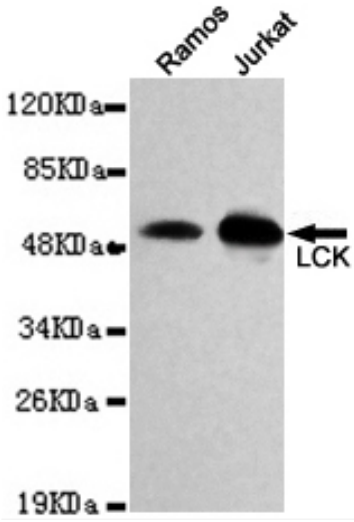
LCK mouse mAb

Catalog No	YP-Ab-14227
Isotype	IgG
Reactivity	Human
Applications	WB
Gene Name	lck
Protein Name	
Immunogen	Purified recombinant human LCK protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of LCK and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LCK;Lck p56;LCK_HUMAN;Leukocyte C-terminal Src kinase;LSK;Lymphocyte cell specific protein tyrosine kinase;Lymphocyte cell-specific protein-tyrosine kinase;Lymphocyte Specific Protein Tyrosine Kinase;Membrane associated protein tyrosine kinase;Oncogene lck;P56 LCK;p56(LSTRA) protein tyrosine kinase;p56-LCK;p56lck;pp58 lck;pp58lck;Protein YT16;Proto oncogene tyrosine protein kinase LCK;Proto-oncogene Lck;Protooncogene tyrosine protein kinase LCK;T cell specific protein tyrosine kinase;T cell-specific protein-tyrosine kinase;T lymphocyte specific protein tyrosine kinase p56lck;Tyrosine-protein kinase Lck;YT 16;YT16.
Observed Band	58kD
Cell Pathway	Cell membrane ; Lipid-anchor ; Cytoplasmic side . Cytoplasm, cytosol . Present in lipid rafts in an inactive form. .
Tissue Specificity	Expressed specifically in lymphoid cells.
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,disease:A chromosomal aberration involving LCK is found in leukemias. Translocation t(1;7)(p34;q34) with TCRB.,domain:The SH2 domain mediates interaction with SQSTM1. Interaction is regulated by Ser-59

	phosphorylation.,enzyme regulation:Inhibited by tyrosine phosphorylation.,function:Tyrosine kinase that plays an essential role for the selection and maturation of developing T-cell in the thymus and in mature T-cell function. Is constitutively associated with the cytoplasmic portions of the CD4 and CD8 surface receptors and plays a key role in T-cell antigen receptor(TCR)-linked signal transduction pathways. Association of the TCR with a peptide antigen-bound MHC complex facilitates the interaction of CD4 and CD8 with MHC class II and class I molecules, respectively, and thereby recruits the associat
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 palmitylation, 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 different isoforms have been described. [provided by RefSeq, Aug 2016],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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.