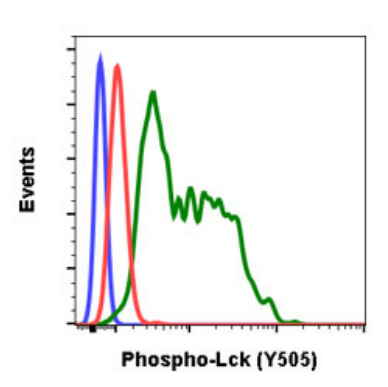
LCK (phospho Y505) monoclonal antibody, clone A3

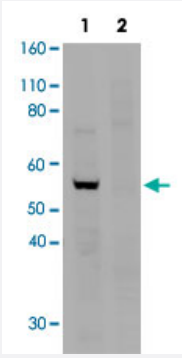
Catalog # MAB18924 Size 20 uL

Applications



Flow Cytometry

Flow cytometric analysis of Daudi cells with LCK (phospho Y505) monoclonal antibody, clone A3 (Cat # MAB18924). Secondary antibody only negative control (blue) or untreated (red) or treated with IFNa + IL-4 + pervanadate (green).



Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate with LCK (phospho Y505) monoclonal antibody, clone A3 (Cat # MAB18924). Lane 1: treated or Lane 2: untreated with 200 nM calyculin A for 30min.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human LCK.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y505 of human LCK.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification

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Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.1% BSA and 0.02% sodium azide).
Storage Instruction	Store at -20°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — LCK

Entrez GeneID	3932
Gene Name	LCK
Gene Alias	YT16, p56lck, pp58lck
Gene Description	lymphocyte-specific protein tyrosine kinase
Omim ID	153390
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein i s a key signaling molecule in the selection and maturation of developing T-cells. It contains N-term inal 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. Multi ple alternatively spliced variants, encoding the same protein, have been described. [provided by RefSeq

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Other Designations	T-lymphocyte specific protein tyrosine kinase p56lck|p56(LSTRA) protein-tyrosine kinase|protein tyrosine kinase|proto-oncogene tyrosine-protein kinase LCK

Pathway

- Natural killer cell mediated cytotoxicity
- Primary immunodeficiency
- T cell receptor signaling pathway

Disease

- HIV Infections
- Tobacco Use Disorder

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