

## LCK

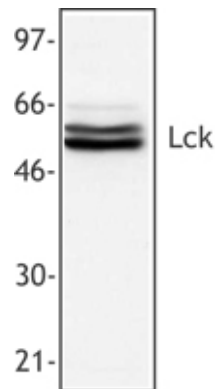
### Mouse Anti-Human Lymphocyte-specific Protein Tyrosine Kinase Clone Lck-01 mAb

<b>Catalog No.</b>	CSI10197 CSI10198	<b>Quantity:</b>	25 µg 100 µg
<b>Alternate Names:</b>	YT16, p56lck, pp58lck, T-lymphocyte specific protein tyrosine kinase p56lck, p56 (LSTRA) protein-tyrosine kinase, protein tyrosine kinase, proto-oncogene tyrosine-protein kinase LCK		
<b>Description:</b>	Lck is a 56 kD tyrosine protein kinase and a member of the src subfamily that contains both an SH2 and SH3 domain. Alternatively spliced isoforms of Lck have been reported. Lck is a cytoplasmic protein bound to CD4 and CD8 in T lymphocytes that participates in antigen-induced T cell activation through phosphorylation of the T cell receptor zeta chain. Lck is activated upon T cell receptor engagement and is involved in the onset of cell cycle progression induced by interleukin-2. Phosphorylation by Csk downregulates the activity of Lck. In addition to CD4 and CD8, Lck has been reported to interact with PI3K through its SH3 domain and tyrosine phosphorylated KHDRBS1/p70 through its SH2 domain. In addition, Lck has been shown to associate with the SAP transmembrane tyrosine phosphatase. The Lck-01 monoclonal antibody recognizes human Lck and has been shown to be useful for Western blotting, immunoprecipitation, immunocytochemistry, and flow cytometry.		
<b>Concentration:</b>	0.5 mg/ml		
<b>Gene ID:</b>	3932		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	Peptide corresponding to a.a. 22-36 in human Lck		
<b>Isotype:</b>	Mouse IgG1, κ		
<b>Clone:</b>	LCK-01		
<b>Formulation:</b>	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Purification:</b>	The antibody was purified by affinity chromatography.		
<b>Reactivity:</b>	Human, does not cross-react with mouse		
<b>Applications:</b>	Western Blot, IP, ICC		
<b>Recommended Usage:</b>	Each lot of this antibody has been quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 5 µg per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application		



**Storage & Stability:** The antibody solution should be stored undiluted at 4 °C.

Jurkat cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-Lck (clone LCK-01) antibody. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.



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