# Mouse anti-Human LCK Monoclonal Antibody | anti-LCK antibody

Anti-LCK Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA265944** | **Mouse** | **Human** | **Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

LCK; Monoclonal Antibody; Anti-LCK Antibody; anti-LCK antibody

## PRODUCT SPECIFICATIONS

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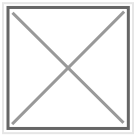
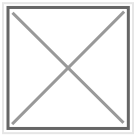
|---|---|
| **Host** | Mouse |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | Mouse IgG1 kappa |
| **Specificity** | Recognizes endogenous levels of LCK protein. |
| **Purity/Purification** | This antibody is purified through a protein G column. |
| **Form/Format** | Mouse IgG1 kappa. Liquid in PBS, pH7.3, 30% glycerol, and 0.01% sodium azide. |
| **Applicable Applications for anti-LCK antibody** | FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| **Immunogen** | Recombinant fusion protein of human LCK. The exact sequence is proprietary. |
| **Preparation and Storage** | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles. |

## IMAGES



**FCM/FACS (Flow Cytometry)**
Flow cytometric analysis of Jurkat cells using Anti-LCK Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Mouse IgG (H&L) - AF488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.



**IF (Immunofluorescence)**
Immunofluorescent analysis of LCK staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

**IHC (Immunohiostchemistry)**
Immunohistochemical analysis of LCK staining in human thymus formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**WB (Western Blot)**
Western blot analysis of LCK expression in Jurkat (A) whole cell lysates. (Predicted band size: 58; 41 kD; Observed band size: 41 kD

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-LCK antibody** | Mouse monoclonal antibody to LCK |
| **Product Categories/Family for anti-LCK antibody** | Primary Antibodies |

## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 112789548 |
| **NCBI GeneID** | 3932 |
| **NCBI Accession #** | NP_001036236.1 |
| **NCBI GenBank Nucleotide #** | NM_001042771.1 |
| **UniProt Accession #** | P06239; P07100; Q12850; Q13152; Q5TDH8; Q5TDH9; Q7RTZ3; Q96DW4; Q9NYT8; D3DPP8 |
| **Molecular Weight** | 58,001 Da |
| **NCBI Official Full Name** | tyrosine-protein kinase Lck |
| **NCBI Official Synonym Full Names** | lymphocyte-specific protein tyrosine kinase |
| **NCBI Official Symbol** | LCK |
| **NCBI Official Synonym Symbols** | LSK; YT16; p56lck; pp58lck |
| **NCBI Protein Information** | tyrosine-protein kinase Lck; leukocyte C-terminal Src kinase; p56(LSTRA) protein-tyrosine kinase; t cell-specific protein-tyrosine kinase; proto-oncogene tyrosine-protein kinase LCK; lymphocyte cell-specific protein-tyrosine kinase; T-lymphocyte specific |
| **UniProt Protein Name** | Tyrosine-protein kinase Lck |
| **UniProt Gene Name** | **LCK** |
| **UniProt Synonym Gene Names** | LSK |
| **UniProt Entry Name** | LCK_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/lck-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/265944