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

LCK (Tyrosine-protein Kinase Lck, Leukocyte C-terminal Src Kinase, LSK, Lymphocyte Cell-specific Protein-tyrosine Kinase, Protein YT16, Proto-oncogene Lck, T Cell-specific Protein-tyrosine Kinase, p56-LCK) (Biotin)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24845	**Mouse**	**Human**	**ELISA, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

LCK; Monoclonal Antibody; LCK (Tyrosine-protein Kinase Lck; Leukocyte C-terminal Src Kinase; LSK; Lymphocyte Cell-specific Protein-tyrosine Kinase; Protein YT16; Proto-oncogene Lck; T Cell-specific Protein-tyrosine Kinase; p56-LCK) (Biotin); anti-LCK antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3F7-F5
Specificity	Recognizes human LCK.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Applicable Applications for anti-LCK antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to aa1-539 from human LCK (AAH13200) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MGCGCSSHPEDDWMENIDVCENCHYPIVPLDGKGTLLIRNGSEVRDPLVTYEGSNPPASPLQDNLVIALHSYEPSHDGDLGFEKGEQLRILEQSGEWWK
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor

IMAGES

WB (Western Blot)
Western Blot detection against Immunogen (84.7kD).

WB (Western Blot)
Western blot analysis of LCK over-expressed 293 cell line, cotransfected with LCK Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with LCK monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged LCK is ~0.1ng/ml as a capture antibody.

IP (Immunoprecipitation)
Immunoprecipitation of LCK transfected lysate using LCK monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with LCK rabbit polyclonal antibody.

WB (Western Blot)
Western Blot analysis of LCK expression in transfected 293T cell line by LCK monoclonal antibody. Lane 1: LCK transfected lysate (59.4kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
LCK monoclonal antibody Western Blot analysis of LCK expression in Jurkat.

ADDITIONAL INFORMATION

Related Product Information for anti-LCK antibody	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 the same protein, have been described.
Product Categories/Family for anti-LCK antibody	Antibodies; Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	15341996
NCBI GeneID	3932
Molecular Weight	61,190 Da
NCBI Official Full Name	Homo sapiens lymphocyte-specific protein tyrosine kinase, mRNA
NCBI Official Synonym Full Names	LCK proto-oncogene, Src family tyrosine kinase
NCBI Official Symbol	LCK
NCBI Official Synonym Symbols	LSK; YT16; IMD22; p56lck; pp58lck
NCBI Protein Information	tyrosine-protein kinase Lck

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-clone-3f7-f5-immunoprecipitation-western-blot-elisa/24845