

Product datasheet for **AM06133SU-N**

LCK Mouse Monoclonal Antibody [Clone ID: 8E5F9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	8E5F9
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human Lck expressed in E. Coli.
Specificity:	Recognizes Lck (lymphocyte-specific protein tyrosine kinase)
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	56 kDa
Gene Name:	LCK proto-oncogene, Src family tyrosine kinase
Database Link:	Entrez Gene 3932 Human P06239



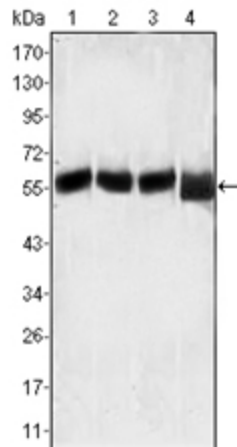
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Background:

Lck (lymphocyte-specific protein tyrosine kinase), with 509-amino acid protein (about 56kDa), belongs to the Src non-receptor tyrosine kinases family. By virtue of common structural motifs, the Src family is composed of nine members in vertebrates, including Src, Yes, Fgr, Frk, Fyn, Lyn, Hck, Lck and Blk. Lck is expressed predominantly in T cells and is localized to the inner surface of the plasma membrane. Lck is activated after T cell stimulation and is required for T-cell proliferation and IL-2 production. Aberrant expression or activation of Lck kinase has been reported in both lymphoid and nonlymphoid malignancies. In addition, inhibition of Lck has been a target to prevent lymphocyte activation and acute rejection.

Synonyms:

p56-LCK, LSK

Product images:

Western blot analysis using LCK antibody Cat.-No AM06133SU-N against MOLT-4 (Lane 1), CCRF-CEM (Lane 2), CCRF-HSB-2 (Lane 3) and Jurkat (Lane 4) cell lysate.