

Product Name: Lck Mouse Monoclonal Antibody
Catalog #: AMM80551



Summary

Production Name	Lck Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	Lck
Alternative Names	YT16; p56lck; pp58lck
Gene ID	3932.0
SwissProt ID	P06239. Purified recombinant fragment of human Lck expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,ELISA:1:10000
Molecular Weight	56kDa

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

Product Name: Lck Mouse Monoclonal Antibody
Catalog #: AMM80551

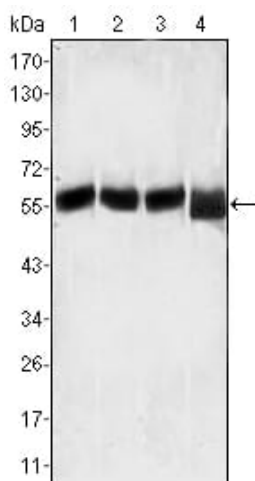


vertebrates, including Src, Yes, Fgr, Frk, Fyn, Lyn, Hck, Lck and Blk. Lck is expressed predominantly in T cells and is localized to the inner surface of the plasma membrane. Lck is activated after T cell stimulation and is required for T-cell proliferation and IL-2 production. Aberrant expression or 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.

Research Area

Jak-STAT signaling pathway

Image Data



Western blot analysis using LCK mouse mAb against MOLT-4 (1), CCRF-CEM (2), CCRF-HSB-2 (3) and Jurkat (4) cell lysate.

Note

For research use only.