

Lck Monoclonal Antibody

lymphocyte-specific protein tyrosine kinase

CATALOG NO.: 32-186

DESCRIPTION:

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.

CLONALITY:

This is a monoclonal antibody. Clone 8E5F9, 4B2C7.

ISOTYPE:

IgG2a

HOST:

Lck monoclonal antibody was raised in mouse. Please use anti-mouse secondary antibodies.

IMMUNOGEN:

Ni-NTA purified truncated recombinant Lck expressed in E. Coli strain BL21 (DE3).

PURIFICATION DETAILS:

Ascitic fluid containing 0.03% sodium azide.

TESTED APPLICATION:

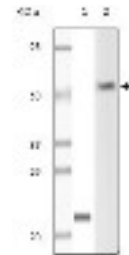
WB,E

APPLICATION DETAILS:

Western Blot: 1: 500- 1: 2,000 ELISA: Propose dilution 1: 10,000.Determining optimal working dilutions by titration test.*

STORAGE:

Lck monoclonal antibody can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



Western blot analysis using LCK monoclonal antibody against truncated LCK recombinant protein and Jurkat cell lysate.

USER NOTES:

Optimal dilutions/concentrations should be determined by the end user. The information provided is a guideline for product use. **This product is for research use only.**