

Mouse Monoclonal Antibody to Lck

Catalogue Number sAP-0064

Target Molecule **Name:** Lck

Aliases: YT16; p56lck; pp58lck

MW: 56kDa

Entrez Gene ID: 3932

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.

Immunogen Purified recombinant fragment of human Lck expressed in E. Coli.

Reactive Species Human

Clone MM8E5F9;

Size and Concentration 100µg/1mg/ml

Supplied as Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.

Reconstitution/Storages Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1. Mingjian Shi, John C. Cooper, Chao-Lan Yu. Mol. Cancer Res., Jan 2006; 4: 39–45 ; 2. Robert F. Stachlewitz, Michelle A. Hart, Brian Bettencourt. J. Pharmacol. Exp. Ther., Oct 2005; 315: 36–41. ; 3. Ibrahim Y. Hawash, Kamala P. Kesavan, Anthony I. Magee

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**