

## Mouse Monoclonal Antibody to Lck

<b>Catalogue Number</b>	sAP-0064
<b>Target Molecule</b>	<p><b>Name:</b> Lck</p> <p><b>Aliases:</b> YT16; p56lck; pp58lck</p> <p><b>MW:</b> 56kDa</p> <p><b>Entrez Gene ID:</b> 3932</p>
<b>Description</b>	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.
<b>Immunogen</b>	Purified recombinant fragment of human Lck expressed in E. Coli.
<b>Recombinant Species</b>	Human
<b>Clone</b>	MM8E5F9;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	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**