

Lck (p56^{lck}) Ab-1 (Clone 3A5)

Mouse Monoclonal Antibody

Cat. #MS-164-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)**Cat. #MS-164-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml)** (Purified Ab without BSA and Azide)**Cat. #MS-164-PCL (0.1ml)** (Positive Control for Western Blot)**Please note this data sheet has been changed effective December 6, 2011**

Description: p56^{lck} is a membrane-associated non-receptor protein tyrosine kinase from the Src-family of kinases. The phosphorylation status and the activity of p56^{lck} is regulated by the CD45 tyrosine protein phosphatase. p56^{lck} plays a critical role in T cell development and activation. p56^{lck} gene is localized to a site in the genome which undergoes frequent chromosomal abnormalities in lymphomas and neuroblastomas.

Mol. Wt. of Antigen: 56kDa**Epitope:** aa 1-225**Species Reactivity:** Human, Mouse, and Rat. Others not known.**Clone Designation:** 3A5**Ig Isotype / Light Chain:** IgG_{2b} / κ**Immunogen:** Recombinant protein corresponding to aa 1-225 of murine p56^{lck} protein.**Applications and Suggested Dilutions:**

- Immunoprecipitation (Denatured verified)
(Use Protein A) (Ab 2µg/mg protein lysate)
- Kinase Assay
- Western Blotting (Ab 1-2µg/ml for 2hrs at RT)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Jurkat cells**Cellular Localization:** Cell membrane**Supplied As:**

200µg/ml antibody purified from the ascites fluid by Protein A chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide. Also available without BSA and azide at 1mg/ml.

Storage and Stability:

Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

Suggested References:

1. Ley SC; et al. Journal of Cell Biology, 1994 May, 125(3):639-49.
2. Omri B; et al. Journal of Neurochemistry, 1996 Oct, 67(4):1360-4.
3. Ravichandran KS; et al. Current Topics in Microbiology and Immunology, 1996, 205:47-62.
4. Ley SC; et al. Journal of Cell Biology, 1994 May, 125(3):639-49.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Lab Vision is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

For Research Use Only