

# LCK Monoclonal Antibody (3A5)

Product Details	
Size	500 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotope	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	3A5
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to aa 1-225 of murine p56lck protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10986446

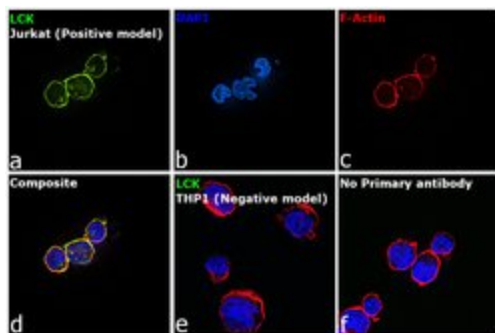
Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	-
Immunocytochemistry (ICC)	1:20-1:100	-
Immunofluorescence (IF)	1:20-1:100	-
Immunoprecipitation (IP)	2 µg/mL	-
Western Blot (WB)	1-2 µg/mL	-
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

MA5-12303 targets LCK (p56lck) in IP, ICC/IF, FACS and WB applications and shows reactivity with Human, mouse, and Rat samples.

The MA5-12303 immunogen is recombinant protein corresponding to aa 1-225 of mouse p56lck protein.

## Advanced Verification Data

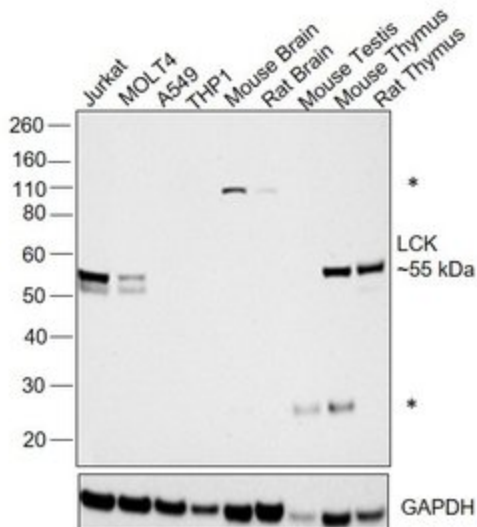


### LCK Antibody (MA5-12303)

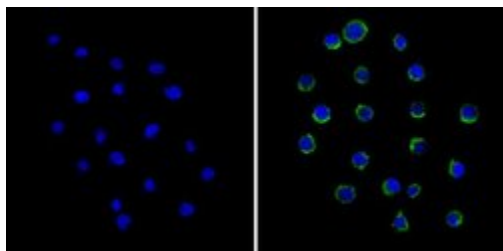
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-LCK Monoclonal Antibody (3A5) (Product # MA5-12303), shows Membrane localization in Jurkat cells but not in THP-1 cells which are reported to be low to negative for LCK expression.. Relative expression validation info.

### LCK Antibody (MA5-12303)

Antibody specificity was demonstrated by the detection of differential basal expression of the target across cell lines and tissues tested owing to their inherent genetic constitution. Relative expression of LCK was observed in Jurkat, MOLT4 and thymus tissues as compared to A549, THP1, Mouse Brain, Rat Brain and Mouse testis which are reported to be low to negative for LCK expression using Anti-LCK Monoclonal Antibody (3A5) (Product # MA5-12303) in Western Blot. Relative expression validation info.



## Product Images For LCK Monoclonal Antibody (3A5)



### LCK Antibody (MA5-12303) in IF

Immunofluorescent analysis of LCK (p56lck) (green) showing staining in the cytoplasm of Jurkat cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a LCK (p56lck) monoclonal antibody (Product # MA5-12303) in 3% BSA-PBS at a dilution of 1:20 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. Nuclei were stained with Hoechst or DAPI (blue). Images were taken at a magnification of 60x.

[View more figures on thermofisher.com](https://www.thermofisher.com)

## Miscellaneous PubMed (1)

Journal of the American Chemical Society

### Robust fluorescent detection of protein fatty-acylation with chemical reporters.

"MA5-12303 was used in immunoprecipitation and western blot to introduce a new method of fluorescent detection of protein fatty-acylation"

Authors: Charron G,Zhang MM,Yount JS,Wilson J,Raghavan AS,Shamir E,Hang HC

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2009

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