

For Research Use Only

# CoraLite® Plus 488-conjugated LCK Monoclonal antibody



Catalog Number:CL488-60162

## Basic Information

<b>Catalog Number:</b> CL488-60162	<b>GenBank Accession Number:</b> BC013200	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3932	<b>CloneNo.:</b> 2D10C2
<b>Source:</b> Mouse	<b>Full Name:</b> lymphocyte-specific protein tyrosine kinase	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 539 aa, 56 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG7694	<b>Observed MW:</b> 50-60 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> human, pig, rat	

## Background Information

LCK(Lymphocyte cell-specific protein-tyrosine kinase) is also named as LSK,p56-LCK and a nonreceptor protein-tyrosine kinase of the SRC oncogene family that is involved in transduction of T-cell receptor-mediated activation. It is implicated in the control of lymphocyte growth by virtue of its overexpression in some lymphoid malignancies and its transforming activity in heterologous systems(PMID:2784463).It has 3 isoforms produced by alternative splicing.

## Storage

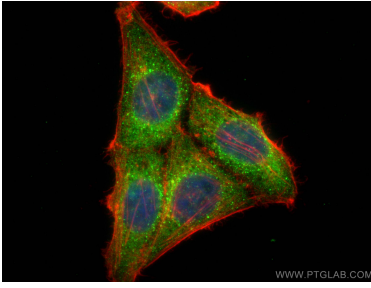
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

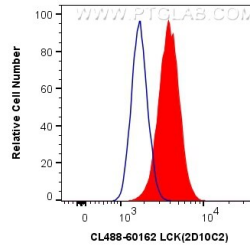
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 LCK antibody (CL488-60162, Clone: 2D10C2) at dilution of 1:200, CL594-phalloidin (red).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human LCK (CL488-60162, Clone:2D10C2) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).