

CoraLite® Plus 488-conjugated LCK Monoclonal antibody

Catalog Number: **CL488-60162**

Basic Information

Catalog Number:

CL488-60162

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7694

GenBank Accession Number:

BC013200

GeneID (NCBI):

3932

UNIPROT ID:

P06239

Full Name:

Lymphocyte-specific protein tyrosine kinase

Calculated MW:

539 aa, 56 kDa

Observed MW:

50-60 kDa

Purification Method:

Protein G purification

CloneNo.:

2D10C2

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, rat, pig

Positive Controls:

IF/ICC : HepG2 cells,

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:

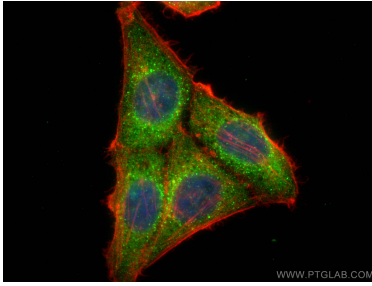
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

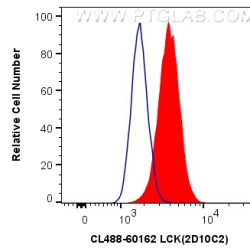
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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).



1X10⁶ 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).