

For Research Use Only

# CoraLite®555-conjugated SLP76 Monoclonal antibody

Catalog Number:CL555-66465



## Basic Information

<b>Catalog Number:</b> CL555-66465	<b>GenBank Accession Number:</b> BC016618	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3937	<b>CloneNo.:</b> 4H10B1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13094	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)	<b>Excitation/Emission maxima wavelengths:</b> 557 nm / 570 nm
<b>Immunogen Catalog Number:</b> AG3432	<b>Calculated MW:</b> 533 aa, 60 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human	

## Background Information

LCP2, also named as SLP76, is an adapter protein that acts as a substrate of the T cell antigen receptor (TCR)-activated protein tyrosine kinase pathway. It contains an N-terminal leucine Zip motif, a tyrosine-rich domain, a proline-rich domain and a C-terminal SH2 domain. It is constitutively associated with the growth factor receptor-bound protein 2 (Grb2)-related adapter protein 2 (Grap2, a.k.a. GADS) through the interaction of its proline residues with one of the SH3 domains of Grap2. SLP76 associates with growth factor receptor bound protein 2 (Grap2), and is thought to play a role TCR-mediated intracellular signal transduction. SLP76 is also expressed by mast cells, and mast cell activation was markedly impaired in SLP76-deficient mice.

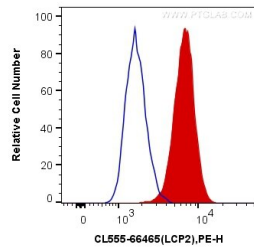
## Storage

**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**

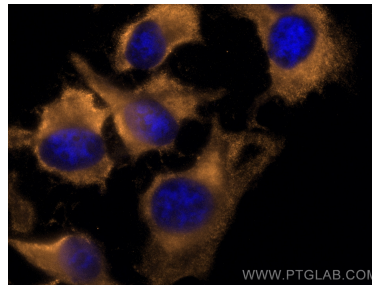
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## Selected Validation Data



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human SLP76 (CL555-66465, Clone:4H10B1) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite®555 SLP76 antibody (CL555-66465, Clone: 4H10B1 ) at dilution of 1:200.