

For Research Use Only

CoraLite®555-conjugated SLP76 Monoclonal antibody



Catalog Number:CL555-66465

Basic Information

Catalog Number:

CL555-66465

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG3432

GenBank Accession Number:

BC016618

GeneID (NCBI):

3937

UNIPROT ID:

Q13094

Full Name:

lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)

Calculated MW:

533 aa, 60 kDa

Purification Method:

Protein G purification

CloneNo.:

4H10B1

Excitation/Emission maxima wavelengths:

557 nm / 570nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

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.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

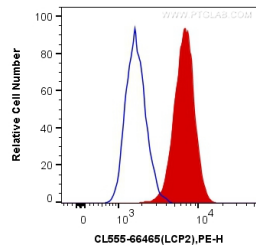
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ 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).