

For Research Use Only

# CoraLite®594-conjugated PLEK Monoclonal antibody



Catalog Number: CL594-66431

Featured Product

## Basic Information

<b>Catalog Number:</b> CL594-66431	<b>GenBank Accession Number:</b> BC018549	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5341	<b>CloneNo.:</b> 1D5C2
<b>Source:</b> Mouse	<b>Full Name:</b> pleckstrin	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 350 aa, 40 kDa	
<b>Immunogen Catalog Number:</b> AG3187	<b>Observed MW:</b> 40-47 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human

## Background Information

PLEK (pleckstrin; also known as p47) was originally identified as the major PKC substrate in platelets and later is found to be expressed in all cells of the hemopoietic system. Through two pleckstrin homology (PH) domains at its N and C termini, PLEK may interact with various protein and/or lipid ligands and serve as an intracellular adaptor/targeting protein. Predominantly cytosolic in unstimulated cells, PLEK would undergo transient redistribution to phagosomal membrane in response to stimuli. PLEK has been found to be hyperphosphorylated in diabetic mononuclear phagocytes and promote proinflammatory cytokine secretion in diabetes. (10477609, 17579087)

## 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.

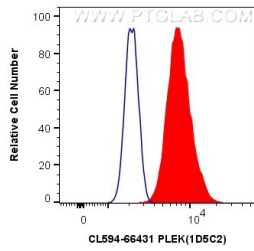
Aliquoting is unnecessary for -20°C storage

\*\*\* 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



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human PLEK (CL594-66431, Clone:1D5C2) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).