

For Research Use Only

CoraLite®594-conjugated PLEK Monoclonal antibody

Catalog Number: CL594-66431

Featured Product



Basic Information

Catalog Number:

CL594-66431

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG3187

GenBank Accession Number:

BC018549

GeneID (NCBI):

5341

UNIPROT ID:

P08567

Full Name:

pleckstrin

Calculated MW:

350 aa, 40 kDa

Observed MW:

40-47 kDa

Purification Method:

Protein G purification

CloneNo.:

1D5C2

Recommended Dilutions:

WB 1:500-1:1000

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

WB, FC (Intra)

Species Specificity:

human

Positive Controls:

WB : U-937 cells, THP-1 cells, HL-60 cells

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

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

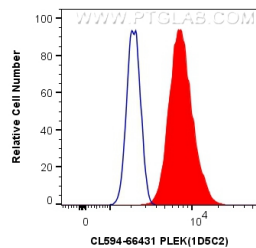
T: 4006900926

E: Proteintech-CN@ptglab.com

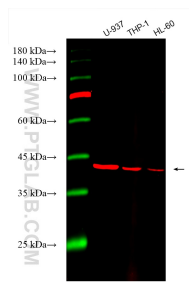
W: ptgcn.com

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Selected Validation Data



1X10⁶ 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).



Various lysates were subjected to SDS PAGE followed by western blot with CL594-66431 (PLEK antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.