

For Research Use Only

CoraLite® Plus 488-conjugated PLEK Monoclonal antibody



Catalog Number: CL488-66431

Featured Product

Basic Information

Catalog Number: CL488-66431	GenBank Accession Number: BC018549	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5341	CloneNo.: 1D5C2
Source: Mouse	Full Name: pleckstrin	Recommended Dilutions: WB 1:500-1:1000
Isotype: IgG1	Calculated MW: 350 aa, 40 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG3187	Observed MW: 40-45 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : HL-60 cells, THP-1 cells, U-937 cells
Species Specificity: human, pig	

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

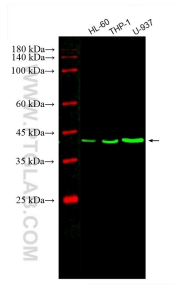
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



HL-60 cells were subjected to SDS PAGE followed by western blot with CL488-66431 (PLEK antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.