

For Research Use Only

# CoraLite® Plus 488-conjugated Phospho-RIPK1 (Ser161) Monoclonal antibody

Catalog Number: CL488-66854



## Basic Information

<b>Catalog Number:</b> CL488-66854	<b>GenBank Accession Number:</b> NM_003804	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 8737	<b>CloneNo.:</b> 1B2G1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13546	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> receptor (TNFRSF)-interacting serine-threonine kinase 1	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
	<b>Calculated MW:</b> 76 kDa	
	<b>Observed MW:</b> 74 kDa, 45 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : Calyculin A treated HeLa cells, U2OS cells
<b>Species Specificity:</b> human	

## Background Information

RIPK1 (Receptor-interacting serine/threonine-protein kinase 1) is primarily involved in mediating TNF-R1-induced cell activation, apoptosis and necroptosis and belongs to a novel class of kinases that function in cell survival and cell death mechanisms (PMID:22685397). It has 2 isoforms produced by alternative splicing. It also can exist as the protein with lower molecular weight about 25kd and 45kd in HAEC and HUVEC (PMID:22685397).

## 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:

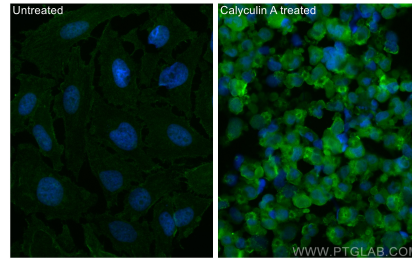
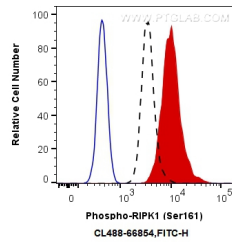
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## Selected Validation Data



1X10<sup>6</sup> HEK-293T cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.13 ug CoraLite® Plus 488 Anti-Human Phospho-RIPK1 (Ser161) (CL488-66854, Clone:1B2G1) (red), or 0.13 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.

Immunofluorescent analysis of (4% PFA) fixed Calyculin A treated HeLa cells using CoraLite® Plus 488 Phospho-RIPK1 (Ser161) antibody (CL488-66854, Clone: 1B2G1) at dilution of 1:200.