

For Research Use Only



# CoraLite® Plus 647-conjugated Phospho-P53 (Ser15) Monoclonal antibody

Catalog Number: **CL647-67826**

## Basic Information

Catalog Number: CL647-67826	GenBank Accession Number: BC003596	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 7157	CloneNo.: 1H6G1
Source: Mouse	UNIPROT ID: P04637	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG1	Full Name: tumor protein p53	
	Calculated MW: 44 kDa	
	Observed MW: 53 kDa	

## Applications

Tested Applications:  
FC (Intra)

Species Specificity:  
Human

## Background Information

TP53, also known as P53 and NY-CO-13, belongs to the p53 family and has 9 isoforms. In SDS-Page, the observed molecular weight is about 53 kDa. TP53 acts as a tumor suppressor in many tumor types, including growth arrest or apoptosis depending on the physiological circumstances and cell types. It is involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. TP53 Localizes in the nucleus in most cells but found in the cytoplasm in some cells. (PMID: 26166714; PMID: 25225161)

## 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:

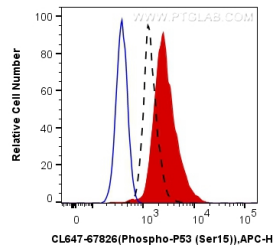
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> HT-29 cells untreated (dashed line) or treated with UV (red) HT-29 cells were intracellularly stained with 0.13 ug CoraLite® Plus 647 Anti-Human Phospho-P53 (Ser15) (CL647-67826, Clone:1H6G1), or 0.13 ug Control Antibody (Blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.