

For Research Use Only

# CoraLite®594-conjugated Phospho-P53 (Ser15) Monoclonal antibody

Catalog Number:CL594-67826



## Basic Information

### Catalog Number:

CL594-67826

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### Source:

Mouse

### Isotype:

IgG1

### GenBank Accession Number:

BC003596

### GeneID (NCBI):

7157

### UNIPROT ID:

P04637

### Full Name:

tumor protein p53

### Calculated MW:

44 kDa

### Observed MW:

53 kDa

### Purification Method:

Protein G purification

### CloneNo.:

1H6G1

### Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## 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

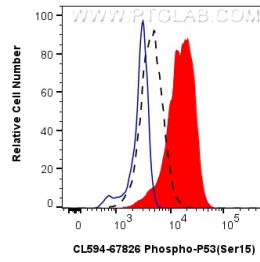
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> UV treated HT-29 cells were intracellularly stained with 0.25 ug CoraLite®594 Anti-Human Phospho-P53 (Ser15) (CL594-67826, Clone:1H6G1) (red), or 0.25 ug CoraLite®594 Mouse IgG1 Isotype Control (1F8D3) (CL594-66360-1, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.