

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

Recommended Dilutions:

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra) : UV treated HT-29 cells,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

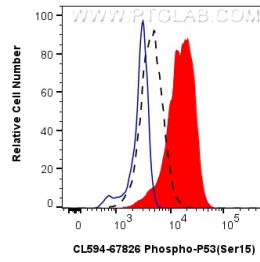
For technical support and original validation data for this product please contact:

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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



1X10⁶ 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.