

For Research Use Only

# CoraLite®594-conjugated JNK Monoclonal antibody



Catalog Number:CL594-66210

Featured Product

## Basic Information

Catalog Number:

CL594-66210

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG21426

GenBank Accession Number:

BC130572

GeneID (NCBI):

5599

UNIPROT ID:

P45983

Full Name:

mitogen-activated protein kinase 8

Calculated MW:

48 kDa

Observed MW:

44-48 kDa, 50-55 kDa

Purification Method:

Protein G purification

CloneNo.:

1A12E1

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

## Background Information

MAPK8(Mitogen-activated protein kinase 8) is also named as JNK1, PRKM8, SAPK1, SAPK1C and belongs to the MAP kinase subfamily. MAPK8 is activated by dual phosphorylation at a Thr-Pro-Tyr motif during response to UV light. MAPK8 functions to phosphorylate c-Jun at N-terminal serine regulatory sites of Ser-63 and Ser-73, mapping within the transactivation domain. Phosphorylation of these sites in response to UV results in transcriptional activation of c-Jun. It has some isoforms produced by alternative splicing with the molecular weight of 46 kDa and 48 kDa. This protein can be phosphorylated and this antibody recognizes the 46 kDa and 55 kDa bands in western blot(PMID:11062067).

## 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:

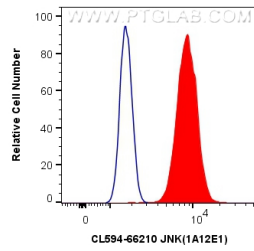
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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> HeLa cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human JNK (CL594-66210, Clone:1A12E1) (red), or 0.8 ug CoraLite®594 Mouse IgG1 Isotype Control (MOPC-21) (CL594-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).