

For Research Use Only

# CoraLite®594-conjugated Caspase 4 Monoclonal antibody



Catalog Number:CL594-67398

## Basic Information

Catalog Number:

CL594-67398

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG29488

GenBank Accession Number:

BC017839

GeneID (NCBI):

837

UNIPROT ID:

P49662

Full Name:

caspase 4, apoptosis-related cysteine  
peptidase

Calculated MW:

377 aa, 43 kDa

Observed MW:

43-48 kDa

Purification Method:

Protein G purification

CloneNo.:

1D1E12

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

Positive Controls:

IF : HeLa cells,

## Background Information

Caspase 4 (CASP4), is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspase 4 is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. Overexpression of caspase 4 will induce cell apoptosis.

## 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:

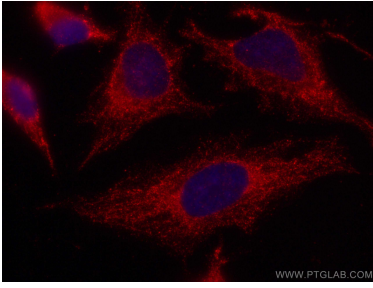
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite®594 Caspase 4 antibody (CL594-67398, Clone: 1D1E12) at dilution of 1:200.