

For Research Use Only

# CoraLite®594-conjugated Caspase 4 Monoclonal antibody



Catalog Number:CL594-67398

## Basic Information

<b>Catalog Number:</b> CL594-67398	<b>GenBank Accession Number:</b> BC017839	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 837	<b>CloneNo.:</b> 1D1E12
<b>Source:</b> Mouse	<b>Full Name:</b> caspase 4, apoptosis-related cysteine peptidase	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 377 aa, 43 kDa	<b>Excitation/Emission maxima wavelengths:</b> 594 nm / 615 nm
<b>Immunogen Catalog Number:</b> AG29488	<b>Observed MW:</b> 43-48 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : HeLa cells,
<b>Species Specificity:</b> Human	

## 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

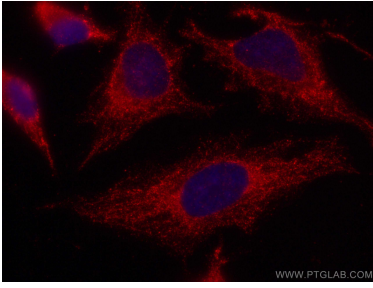
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.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.