

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/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

Positive Controls:

IF/ICC : 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:

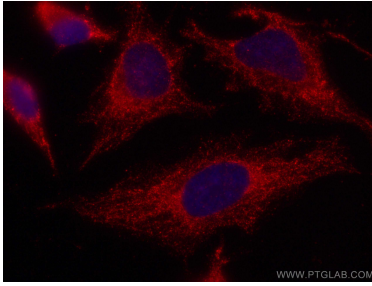
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.