

Caspase-4 Monoclonal Antibody

CATALOG #:	3328-100
LOT #:	_____
HOST:	Mouse
ISOTYPE:	IgG ₁
CLONE:	D44
IMMUNOGEN:	Synthetic peptide corresponding to the N-terminus of human Caspase-4
SPECIES REACTIVITY:	Human

ANTIBODY FORMULATION:

100 µg (0.5 mg/ml) immunoaffinity purified mouse IgG in PBS containing 0.5% BSA, 1.5 mM sodium azide and 30% glycerol.

STORAGE CONDITIONS:

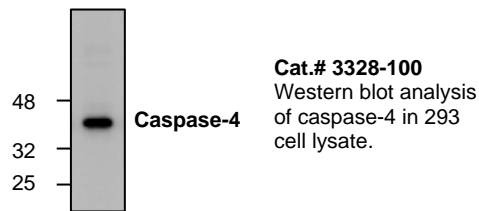
Store at -20°C. For long term storage, aliquot and refreeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

The caspase family of cysteine proteases play a key role in apoptosis. Like other caspases in the family, caspase-4 is also synthesized as inactive pro-enzyme that is processed in cells by self-proteolysis and/or cleavage by another upstream protease. The processed form of caspase-4 consists of large and small subunits which associate to form an active enzyme. Caspase-4 has been implicated involving in Fas-mediated apoptosis.

APPLICATIONS AND USAGE:

Detects the 43 kDa human caspase-4 in Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. 293 cell lysate can be used as a positive control.



RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies