

Caspase-14 Monoclonal Antibody

CATALOG #:	3179-100
LOT #:	_____
HOST:	Mouse
ISOTYPE:	IgG ₁
CLONE:	80A1585
IMMUNOGEN:	Synthetic peptide surrounding amino acid 10 of mouse caspase-14
SPECIES REACTIVITY:	Mouse

ANTIBODY FORMULATION:

100 µg (0.2 mg/ml) purified mouse IgG1 in PBS containing 50% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

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

DESCRIPTION:

Caspases are a family of cysteine proteases that play key roles in apoptosis. The precursor form of all caspases is composed of a prodomain, and large and small catalytic subunits. The active forms of caspases are generated by several stimuli including ligand-receptor interactions, growth factor deprivation and inhibitors of cellular functions. All known caspases require cleavage adjacent to aspartates to liberate one large and one small subunits, which associate into $\alpha_2\beta_2$ tetramers to form the active enzyme. Caspase-14 is a newly identified member of caspase family. It has conserved active site pentapeptide, QACRG. However, no proteolytic or biological activities have been identified so far. Its high expression in embryonic tissues and limited expression in adult tissues suggests that it may have a role in ontogenesis.

APPLICATIONS AND USAGE:

The monoclonal antibody can be used in Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Mouse spleen tissue lysate can be used as a positive control.

RESEARCH USE: For Research use only! Not to be used in human subjects!

WARRANTY: Warranty information can be found in www.biovision.com.

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