

Holocytochrome c Monoclonal Antibody

CATALOG #:	3187-100
LOT #:	_____
AMOUNT:	100 µg
IMMUNOGEN:	Cytochrome c purified from human heart
ISOTOPE:	IgG ₁

SPECIES REACTIVITY:

React with native cytochrome c of human, mouse, and rat. The antibody does not cross-react with bovine, equine or porcine cytochrome or apocytochrome c.

FORMULATION:

100 µg (0.2 mg/ml) purified IgG in PBS containing 50% glycerol, 1% BSA and 0.02% sodium azide.

DESCRIPTION:

The precursor of cytochrome c, apocytochrome c, is synthesized in the cytoplasm. Upon translocation into mitochondria, cytochrome c acquires a heme moiety required for functionality in the mitochondrial respiration chain. The heme-bound form of cytochrome c is called holocytochrome c. When released into the cytosol, cytochrome c can activate the caspases responsible for apoptosis.

STORAGE CONDITIONS:

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

APPLICATIONS: Western blot analysis and immunoprecipitation.

RECOMMENDED USAGE:

5-10 µg/ml is recommended for Western blot analysis. The antibody detects a 12.0 kDa protein corresponding to the apparent molecular weight of cytochrome c.

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