Apoptosis Assay Selection Guide

Select assays based on sample types

My sample is...	Product	Cat#
Live Cells (Suspension or Adherent)	Annexin V Apoptosis Assay Kits	K101-K104
	CaspGlow Caspase Assay Kits.	K172-K199
	MitoCapture Apoptosis Assay Kit	K250
Cell Lysate (Fresh or Frozen)	Caspase (1-12) Fluorometric Assay Kits	K105-K126
	Caspase (1-10) Colorimetric Assay Kits	K106-K127
Tissue Lysate (Fresh or Frozen)	Caspase (1-12) Fluorometric Assay Kits	K105-K126
	ADP/ATP Assay Kit	K255
Tissue Sections (Frozen of paraffin)	Apo-BrdU-IHC	K403
	Active Caspase-3 Antibody	3015

Measure apoptosis in different areas of the cell

I want to measure...	Product	Cat#
Mitochondrial Changes	MitoCapture Assay Kit	K250
	Cytochrome c Releasing Apoptosis Assay Kit.	K257
Membrane Changes	Annexin V Assay Kits	K101-K104
Nuclear Changes	DNA Ladder Assay Kits	K170
	TUNEL Assay Kits.	K401-K404
Cytosol Changes	Caspase Assay Kits.	K105-K127

Select assays based on specific purpose

My purpose is	Product	Cat#
Measure Cytochrome c Release	Cytochrome c Releasing Apoptosis Assay Kit.	K257
Screen Caspase Inhibitors	Caspase Inhibitor Screening Kits.	K151-K160
Block Apoptotic Gene Expression	siRNA Apoptotic Gene Expression Vectors	9500-9520
Study Apoptosis Related Non-Caspase Proteases	Calpain Assay Kit.	K240
	Cathepsin Assay Kits	K140-K145
Isolate Apoptotic Cells	Apoptotic Cell Isolation Kit	K258
Induce Apoptosis	Ready-to-use Apoptosis Inducers	K121
Differentiate between Apoptosis & Necrosis	Annexin V-FITC Apoptosis Kit.	K101
	Annexin V-EGFP Apoptosis Kit	K104

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Apoptosis Products Overview

Apoptosis, or programmed cell death, plays an important role in many physiological and diseased conditions. Detection of apoptotic cells, monitoring the cell's progression to apoptosis, and developing drugs that regulate the apoptotic pathways are the essential parts of basic research. BioVision has developed various assays that can detect apoptosis at the early, middle, and late stages in the apoptotic cascade, and detect apoptotic events that occur in different areas of the cell, including the plasma membrane, cytoplasm, mitochondria, and nucleus.

Membrane-Mediated Apoptosis

- Annexin V-FITC Apoptosis Kit & Bulk Reagents
- Annexin V-EGFP Apoptosis Kit & Bulk Reagents
- Annexin V-Cy3 Apoptosis Kit & Bulk Reagens
- Annexin V-Cy5 Apoptosis Kit & Bulk Reagents
- Annexin V-PE Apoptosis Kit & Bulk Reagents
- Annexin V-PE/Cy5 Apoptosis Kit & Bulk Reagents
- Annexin V- Biotin Apoptosis Kit and Bulk Reagents
- Annexin V, Unlabeled Reagents
- Annexin V Binding Buffers & Propidium Iodide Solution

Cytoplasm-Mediated Apoptosis

- CaspGLOW™ Caspase-2,-3,-8,-9,-12 & Multi-Caspases Staining Kits
- Caspase (1-12) Fluorometric & Colorimetric Assay Kits
- Caspase Inhibitor (1-10) Drug Screening Kits
- CaspSCREEN™ & CaspSELECT™ Caspase Assay Kits
- Pro- and Active Recombinant Human, Mouse, & Rat Caspases (1-10)
- Ready-to-use Caspase Substrates & Sets
- Ready-to-use Caspase Inhibitors & Sets
- GeneBlocker™ siRNA Expression Vectors for Apoptosis Genes
- Anti-Caspase (1-14) Polyclonal & Monoclonal Antibodies

Mitochondria-Mediated Apoptosis

- MitoCapture™ Mitochondrial Apoptosis Detection Kit
- Cytochrome c Releasing Apoptosis Assay Kit
- Mitochondria/Cytosol Fractionation Kit
- Mitochondrial DNA Isolation Kit
- ApoSENSOR™ High Throughput Apoptosis & Cell Viability Assays
- Glutathione & GST Fluorometric & Colorimetric Assay Kits
- Nitric Oxide Fluorometric & Colorimetric Assay Kits
- Superoxide Dismutase Activity Assay Kit
- Antibodies to Apoptosis-Related Mitochondrial Proteins

Nuclear-Mediated Apoptosis

- Apoptotic DNA Ladder Detection Kits
- ApoBrdU™ & ApoDIRECT™ DNA Fragmentation Assay Kits
- ApoBrdU-IHC™ In Situ DNA Fragmentation Assay Kit
- Nuclear/Cytosol Fractionation Kit
- Genomic DNA Isolation Kit

Apoptosis Inducers & siRNA Vectors

- Ready-to-use Apoptosis Inducers & Set
- Apoptosis Inducing Chemicals
- Apoptotic Cell Isolation Kit
- siRNA Expression Vectors for Apoptototic Genes
- Cell Proliferation, Senescence & Cytotoxicity Assay Kits
- Apoptosis Antibodies

Apoptosis Related

- Cell Proliferation, Senescence & Cytotoxicity Assay Kits
- Cathepsin B, D, H, K, L, S and Calpain Activity Assay Kits
- FractionPREP™ Cell Fractionation System
- DNA Damage Quantification Kit
- cAMP & cGMP Direct Immunoassay Kits
- β-Secretase Fluorometric Assay Kit & Inhibitors
- HDAC & HAT Fluorometric & Colorimetric Assay Kits & Inhibitors
- KinaseSTAR™ Akt & JNK Activity Assay Kits
- Lipid Assay Panels (Cholesterol, HDL, LDL/VLDL, Fatty acid, CETP, PLTP, Choline)
- Metabolism Assays (Glucose, Lactate, Uric Acid, Ethanol, Ascorbic Acid, Choline)
- Adipokines & Obersity (Adiponectin/Survivin/Leptin/Visfatin)
- Glutathione, GST, & Nitric Oxide Detection Kits
- SOD and NAD(P)/NAD(P)H Detection Kits
- ADP/ATP Detection Kits