

Apoptosis Assay Selection Guide

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 event that occur in different areas of the cell, including the plasma membrane, cytoplasm, mitochondria, and nucleus.

Select assays based on sample types

Product Name	Cat. No.	My sample is...
Annexin V Apoptosis Assay Kits	K101-K104	Live Cells (Suspension or Adherent)
GaspGlow Caspase Assay Kits	K172-K199	
MitoCapture Apoptosis Assay Kit	K250	
Caspase (1-12) Fluorometric Assay Kits	K105-K126	Cell Lysate (Fresh or Frozen)
Caspase (1-10) Colorimetric Assay Kits	K106-K127	
Caspase (1-12) Fluorometric Assay Kits	K105-K126	Tissue Lysate (Fresh or Frozen)
ADP/ATP Assay Kit	K255	
Apo-BrdU-IHC	K403	Tissue Sections (Frozen of paraffin)
Active Caspase-3 Antibody	3015	

Measure apoptosis in different areas of the cell

Product Name	Cat. No.	i want to measure...
MitoCapture Assay Kit	K250	Mitochondrial Changes
Cytochrome c Releasing Apoptosis Assay Kit	K257	
Annexin V Assay Kits	K101-K104	Membrane Changes
DNA Ladder Assay Kit	K170	Nuclear Changes
TUNEL Assay Kit	K401-K404	
Caspase Assay Kits	K105-K127	Cytosol Changes

Select assays based on specific purpose

Product Name	Cat. No.	My purpose is...
Caspase Inhibitor Screening Kits	K151-K160	Screen Caspase Inhibitors
siRNA Apoptotic Gene Expression Vectors	9500-9520	Block Apoptotic Gene Expression
Calpain Assay Kit	K240	Study Apoptosis Related Non-Caspase Proteases
Cathepsin Assay Kits	K140-K145	
Apoptotic Cell Isolation Kit	K258	Isolate Apoptotic Cells
Ready-to-use Apoptosis Inducers	K121	Induce Apoptosis
Annexin V-FITC Apoptosis Kit	K101	Differentiate between Apoptosis & Necrosis
Annexin V-EGFP Apoptosis Kit	K104	

155 S. Milpitas Blvd, Milpitas, CA 95035

T: 408-493-1800 F: 408-493-1801

Toll Free: 800-891-9699 (US Only)



Apoptosis Products Overview

Membrane-Mediated Apoptosis

Annexin V-FITC Apoptosis Kit & Bulk Reagents
Annexin V-EGFP Apoptosis Kit & Bulk Reagents
Annexin V-Cy3 Apoptosis Kit & Bulk Reagents
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 & Bulk Reagents
Annexin V, Unlabeled Reagents
Annexin V Binding Buffers & Propidium Iodide Solution

Cytoplasm-Mediated Apoptosis

CasGLOW™ 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
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 Apoptotic 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 Kits & 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 & Obesity (Adiponectin/Survivin/Leptin/Visfatin)
Glutathione, GST & Nitric Oxide Detection Kits
SOD and NAD(P)/NAD(P)H Detection Kits
ADP/ATP Detection Kits