

# Product Datasheet

## Caspase 3/7 Apoptosis Kit

### NBP3-50236

Unit Size: 100 Tests

Store at 4C in the dark.

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**NBP3-50236****Caspase 3/7 Apoptosis Kit**

<b>Product Information</b>	
<b>Unit Size</b>	100 Tests
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C in the dark.
<b>Product Description</b>	
<b>Description</b>	The Caspase 3/7 Substrates (Green) are based on novel fluorogenic DNA dyes that have been coupled to the caspase 3/7 recognition sequence (DEVD), which is both non-fluorescent and nonfunctional as a DNA dye. When it rapidly crosses cell membranes to enter the cytoplasm and cleaved by caspase 3/7 to form a high-affinity DNA dye that stains the nucleus bright green. Thus, the Caspase 3/7 substrates allow detection of caspase 3/7 activity and visualization of apoptotic nuclear morphology simultaneously. Due to the loss of integrity of membrane, PI can enter late apoptotic or necrotic cells to stain DNA, and emitting red fluorescence. PI co-staining of cells with Caspase 3/7 Substrates allows simultaneous differentiation of late-apoptotic cells, necrotic cells, and caspase 3/7 enzyme activity during different apoptotic periods.
<b>Gene ID</b>	836
<b>Species</b>	Non-species specific
<b>Suitable Sample Type</b>	Cell samples
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry
<b>Recommended Dilutions</b>	Flow Cytometry
<b>Application Notes</b>	Detection Instrument: Flow Cytometer; Fluorescence Microscope Assay Time: 0.5 hour



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### **Products Related to NBP3-50236**

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210-TA-005	TNF-alpha [Unconjugated]
NB100-56116	Caspase-8 Antibody - BSA Free
NB100-56503	Cytochrome c Antibody (7H8.2C12) - BSA Free
NB200-103	p53 Antibody (PAb 240) - BSA Free

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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