

# Product Datasheet

## Caspase 3/7 Apoptosis Kit NBP3-50237

Unit Size: 100 Tests

Store at 4C in the dark.

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**NBP3-50237****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, DAPI can enter late apoptotic or necrotic cells to stain DNA. DAPI 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 NBP3-50237**

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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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