

# Product Datasheet

## Annexin V Apoptosis Kit [PE/Cy5.5] NBP3-50225

Unit Size: 100 Tests

Store at 4C in the dark.

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**NBP3-50225****Annexin V Apoptosis Kit [PE/Cy5.5]**

| <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>Conjugate</b>           | PE/Cy5.5                                                                                                 |

| <b>Product Description</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>          | Annexin V is a member of the annexin family, which binds to phosphatidylserine (PS) in a calcium-dependent manner. The Annexin V-labeled fluorescein bind specifically to the PS on the outer leaflet apoptotic cell membrane and can be detected with flow cytometry or fluorescence microscope. Nuclear dyes (PI, DAPI, 7-AAD) have a high DNA binding constant and is efficiently excluded by intact cells. It is useful for DNA analysis and dead cell discrimination during flow cytometric analysis. Due to late apoptosis or loss of membrane integrity in necrotic cells, nuclear dyes can enter cells to stain DNA, and when used in combination with Annexin V, cells in different apoptotic stages can be distinguished. |
| <b>Gene ID</b>              | 308                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Symbol</b>          | ANXA5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>              | Non-species specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Suitable Sample Type</b> | Cell samples                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| <b>Product Application Details</b> |                                                         |
|------------------------------------|---------------------------------------------------------|
| <b>Applications</b>                | Flow Cytometry, Fluorescence Imaging                    |
| <b>Recommended Dilutions</b>       | Flow Cytometry, Fluorescence Imaging                    |
| <b>Application Notes</b>           | Detection Instrument: Flow Cytometer Assay Time: 40 min |





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### **Products Related to NBP3-50225**

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|            |                                            |
|------------|--------------------------------------------|
| NBP1-30265 | Recombinant Human Annexin V Protein        |
| 210-TA-005 | TNF-alpha [Unconjugated]                   |
| AF399      | Annexin V Antibody [Unconjugated]          |
| AF835      | Caspase-3 Antibody [Unconjugated] - Active |

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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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