

## Annexin V PE

Catalogue Number : 62500-60

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Clone:** Annexin V

**Format/Conjugate:** PE

**Concentration:**

**Reactivity:**

**Laser:**

**Peak Emission:** 578nm

**Peak Excitation:** 496nm

**Filter:** 585/40

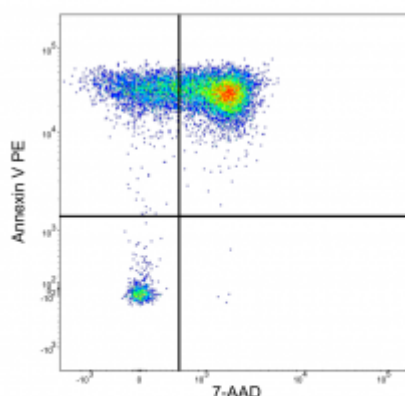
**Brightness (1=dim,5=brightest):** 5

**Isotype:**

**Formulation:** Aqueous buffered solution containing 1mM EDTA, 10mM HEPES, 0.09% NaN<sub>3</sub>.

**Storage:** Product should be kept at 2-8°C and protected from prolonged exposure to light.

**Applications:** FC



Thymocytes treated with dexamethasone and then stained with Annexin V PE and 7-AAD.

### Description

Annexin V is a phospholipid phosphatidylserine (PS) binding protein. In the earlier stages of apoptosis, PS is translocated to the outer sections of the cell plasma membrane and is exposed to the external cellular environment. The mark of the late stages of cellular death is the loss of membrane integrity. Cells can be stained with Annexin V conjugated to a fluorochrome together with 7-AAD, which is excluded from viable cells with intact membranes. This can be used to distinguish cells that are viable (Annexin V and 7-AAD negative), early apoptotic (Annexin V positive and 7-AAD negative), and those that are dead or in late apoptosis (Annexin V and 7-AAD positive). □□

### Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light.

### Application Notes

### References