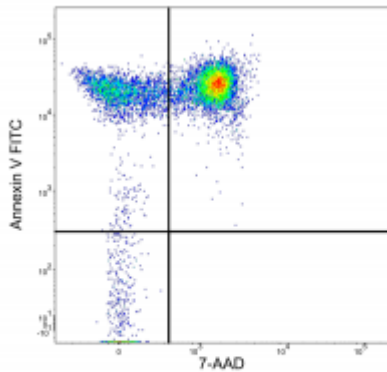


Annexin V FITC Apoptosis Detection Kit

Catalogue Number :62700-50

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

Product Information



Clone: Annexin V Kit

Format/Conjugate: FITC

Concentration:

Reactivity:

Laser:

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

Brightness (1=dim,5=brightest): 3

Isotype:

Formulation: Aqueous buffered solution containing 1mM EDTA, 10mM HEPES, 0.09% NaN₃.

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

Applications: FC

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). The Annexin V Apoptosis Detection Kit contains: Annexin V FITC (100 tests), Annexin V Binding Buffer 1X (50mL), and 7-AAD (200 tests).

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

Application Notes

The protein has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The protein can be used at less than or equal to 5 µL per test. A test is the amount of protein required to stain a cell sample in the final volume of 100 µL.

References

