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Datasheet for ABIN1344456

Annexin V Protein (Atto 647N,GST tag)

Overview

Quantity:	100 tests
Target:	Annexin V (ANXA5)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Annexin V protein is labelled with Atto 647N,GST tag.
Application:	SDS-PAGE (SDS), Flow Cytometry (FACS)

Product Details

Specificity:	Binds to phosphatidylserine (PS).
Cross-Reactivity:	Human
Characteristics:	Recombinant human annexin V fused to a GST-tag.
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	Annexin V (ANXA5)
Alternative Name:	Annexin V (ANXA5 Products)
Background:	Annexin V is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. Annexin V competes for phosphatidylserine binding sites (e.g. platelets) with prothrombin or coagulation factors and inhibits the activity of phospholipase A1. Antibodies directed against annexin V are found in

Target Details

patients with a disease called the antiphospholipid syndrome (APS), a thrombophilic disease associated with autoantibodies against phospholipid compounds. Annexin V is used as a probe in the "annexin V affinity assay" to detect cells that have expressed phosphatidylserine on the cell surface, a feature found in apoptosis and other forms of cell death.

Molecular Weight: ~52kDa (SDS-PAGE)

UniProt: [P08758](#)

Pathways: [Apoptosis](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: This protein can be used for the detection of apoptotic cells by flow cytometry or immunofluorescence (100 tests/0.5ml).

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: In PBS, pH 7.4, containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: +4°C
Stable for at least 1 year after receipt when stored at +4°C.

Expiry Date: 12 months