

Datasheet for ABIN5564291

Annexin V Protein (FITC,GST tag)



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Overview

Quantity:	20 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 FITC,GST tag.
Application:	SDS-PAGE (SDS), Flow Cytometry (FACS)

Product Details

Purpose:	Annexin V (human) (rec.) (FITC)
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 A5, Endonexin II, Lipocortin V, Placental Anticoagulant Protein I, Calphobindin I, Vascular Anticoagulant-alpha

Target Details

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 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.

Restrictions: For Research Use only

Handling

Format: Liquid

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.

Handling Advice: Do not freeze. Protect from light.

Storage: 4 °C

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

Expiry Date: 12 months