

Monoclonal Antibody to Annexin A5 / ANXA5 - FITC

Alternate names:	ANX5, Anchorin CII, Annexin V, Annexin-5, CBP-I, Calphobindin I, ENX2, Endonexin II, Lipocortin V, PAP-I, PP4, Placental anticoagulant protein 4, Placental anticoagulant protein I, Thromboplastin inhibitor, VAC-alpha, Vascular anticoagulant-alpha
Catalog No.:	AM05645FC-N
Quantity:	100 Tests
Concentration:	0,2 mg/ml
Background:	<p>AnnexinV is a phospholipid binding protein which binds with high affinity and selectivity to phosphatidylserine (PS), in the presence of calcium. The translocation of PS from the cytosolic leaflet to the outer leaflet of the plasma membrane, due to a loss in plasma membrane asymmetry during apoptosis, acts as an in vivo signal for the removal of the dying cell by phagocytosis. Detection of PS using Annexin V therefore provides a reliable diagnostic tool for the indication of early programmed cell death.</p> <p>Annexin V has also been identified as an anticoagulant protein in the blood coagulation cascade, by acting as an inhibitor of prothrombin activation. The presence of antibodies to Annexin V, are associated with systemic lupus erythematosus (SLE), recurrent spontaneous abortions and systemic sclerosis (SSc).</p>
Uniprot ID:	P08758
NCBI:	NP_001145.1
GeneID:	308
Host / Isotype:	Mouse / IgG2a
Clone:	VAA-33
Immunogen:	Recombinant Annexin V
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: 50mM Tris, 100mM NaCl pH7.4 containing 0.02% Sodium Azide (NaN ₃), 1% Bovine Serum Albumin Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody specifically recognises Annexin V. Clone VAA-33 has been reported to work in western blotting applications. Species: Human. Other species not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



- Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
- Caution:** (A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
- General Readings:** 1. Gerke, V. and Moss, S.E. (2002) Annexins: From structure to function. *Physiol. Rev.* 82: 331 - 371.

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