

## Product datasheet for **AM05645BT-N**

### Annexin V (ANXA5) Mouse Monoclonal Antibody [Clone ID: VAA-33]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	VAA-33
Applications:	FC
Recommended Dilution:	Flow Cytometry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant Annexin V
Specificity:	This antibody specifically recognises Annexin V. Clone VAA-33 has been reported to work in western blotting applications.
Formulation:	50mM Tris, 100mM NaCl pH7.4 containing 0.02% Sodium Azide (NaN <sub>3</sub> ), 1% Bovine Serum Albumin Label: Biotin State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Biotin
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	annexin A5
Database Link:	<a href="#">Entrez Gene 308 Human P08758</a>



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**Background:**

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.

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).

**Synonyms:**

Annexin-5, Annexin V, Lipocortin V, Endonexin II, Calphobindin I, Anchorin CII, ANX5, ENX2, PP4, CBP-I, PAP-I, VAC-alpha