



# Anti-ANXA5 monoclonal antibody, clone VAA-33 (CABT-50078MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Mouse anti Human Annexin V antibody, clone VAA-33 specifically recognizes human Annexin V, 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). Mouse anti Human Annexin V antibody, clone VAA-33 has been reported to work in Western blotting applications. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10<sup>6</sup> cells in 100ul.

<b>Specificity</b>	ANXA5
<b>Immunogen</b>	Recombinant Annexin V
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	VAA-33
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA; FC

<b>Format</b>	Purified IgG - liquid
<b>Size</b>	100 µg
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ANXA5 annexin A5 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ANXA5
<b>Synonyms</b>	ANXA5; annexin A5; PP4; ANX5; ENX2; RPRGL3; HEL-S-7; CBP-I; PAP-I; VAC-alpha; annexin V; annexin-5; anchorin CII; endonexin II; lipocortin V; calphobindin I; thromboplastin inhibitor; vascular anticoagulant-alpha; epididymis secretory protein Li 7; placen
<b>Entrez Gene ID</b>	<a href="#">308</a>
<b>Protein Refseq</b>	<a href="#">NP_001145</a>
<b>UniProt ID</b>	P08758
<b>Chromosome Location</b>	4q27
<b>Pathway</b>	Prostaglandin Synthesis and Regulation;
<b>Function</b>	calcium ion binding; calcium-dependent phospholipid binding; phospholipase inhibitor activity; phospholipid binding;