

## Datasheet: MCA2712B

**BATCH NUMBER 163255**

<b>Description:</b>	MOUSE ANTI HUMAN ANNEXIN V:Biotin
<b>Specificity:</b>	ANNEXIN V
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	VAA-33
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	100 TESTS/1ml

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin
<b>Immunogen</b>	Recombinant Annexin V.
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P08758</a> <a href="#">Related reagents</a>

**Entrez Gene:**[308](#) ANXA5 [Related reagents](#)

---

<b>Synonyms</b>	ANX5, ENX2, PP4
-----------------	-----------------

---

<b>RRID</b>	AB_915142
-------------	-----------

---

<b>Specificity</b>	<p><b>Mouse anti Human annexin V antibody, clone VAA-33</b> recognizes human Annexin V, a phospholipid binding protein which binds with high affinity and selectivity to phosphatidylserine (PS), in the presence of calcium.</p> <p>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 <i>in vivo</i> 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> <p>Mouse anti Human annexin V antibody, clone VAA-33 has been reported to work in Western blotting applications (<a href="#">Wedher <i>et al.</i> 2009</a>).</p>
--------------------	---

---

<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
-----------------------	---

---

<b>Further Reading</b>	1. Gerke, V. & Moss, S.E. (2002) Annexins: from structure to function. <a href="#">Physiol Rev. 82 (2): 331-71.</a>
------------------------	---

---

<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
----------------	---

---

<b>Guarantee</b>	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
------------------	--

---

<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2712B">https://www.bio-rad-antibodies.com/SDS/MCA2712B</a> 10058
--------------------------------------	---

---

<b>Regulatory</b>	For research purposes only
-------------------	----------------------------

---

## Related Products

## Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

'M406543:220926'

**Printed on 12 Aug 2023**

---

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)