

## Datasheet: MCA2246T

**BATCH NUMBER 180510**

<b>Description:</b>	MOUSE ANTI HUMAN AMH
<b>Specificity:</b>	AMH
<b>Other names:</b>	ANTI MULLERIAN HORMONE
<b>Format:</b>	Con S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	5/6
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 ml

### 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			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			1/20 - 1/40

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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Sheep, Squirrel monkey, Baboon <b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
<b>Product Form</b>	Concentrated tissue culture supernatant - liquid
<b>Preparation</b>	Concentrated Tissue Culture Supernatant containing 0.1M Tris/HCl pH7.4 and 5-10%

foetal calf serum.

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<b>Preservative Stabilisers</b>	0.1% sodium azide (NaN <sub>3</sub> )
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<b>Immunogen</b>	Synthetic peptide derived from human AMH (VPTAYAGKLLISLSEERISAHHVPMVATEC)
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P03971</a> <a href="#">Related reagents</a>
	<b>Entrez Gene:</b> <a href="#">268</a> AMH <a href="#">Related reagents</a>

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<b>Synonyms</b>	MIF
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<b>RRID</b>	AB_2226470
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<b>Fusion Partners</b>	Spleen cells from immunised T/O outbred mice were fused with cells of the SP2/0 myeloma cell line.
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<b>Specificity</b>	<p><b>Mouse anti Human AMH, clone 5/6</b> recognizes human anti-mullerian hormone (AMH), originally classified as a foetal testicular hormone that inhibits Mullerian duct development. AMH is expressed post-natally by immature Sertoli cells, and to a lesser degree by granulosa cells. AMH plays a role in testicular differentiation and in the regulation of ovarian follicle growth.</p> <p>AMH is a member of the TGF beta superfamily. It is secreted as a homodimeric ~140 kDa disulphide linked precursor that is cleaved to release the mature ~30 kDa homodimer.</p>
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<b>Histology Positive Control Tissue</b>	Human ovary
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<b>References</b>	<ol style="list-style-type: none"><li>1. Van Saen, D. <i>et al.</i> (2010) Meiotic activity in orthotopic xenografts derived from human postpubertal testicular tissue. <a href="#">Hum Reprod. 26: 282-93.</a></li><li>2. Gruijters, M.J <i>et al.</i> (2003) Anti-Müllerian hormone and its role in ovarian function. <a href="#">Mol Cell Endocrinol. 211 (1-2): 85-90.</a></li><li>3. Weenen, C. <i>et al.</i> (2004) Anti-Mullerian hormone expression pattern in the human ovary: potential implications for initial and cyclic follicle recruitment. <a href="#">Mol Hum Reprod10: 77-83.</a></li><li>4. Papanastasopoulos, P. <i>et al.</i> (2009) A case of complete androgen insensitivity syndrome presenting with incarcerated inguinal hernia: an immunohistochemical study. <a href="#">Fertil Steril. 92: 1169.e11-4.</a></li><li>5. Campbell, B.K. (2009) The endocrine and local control of ovarian follicle development in the ewe <a href="#">Anim. Reprod. 6:159-71</a></li><li>6. Walker, M.L. <i>et al.</i> (2009) Ovarian aging in squirrel monkeys (<i>Saimiri sciureus</i>). <a href="#">Reproduction. 138: 793-9.</a></li><li>7. Sobinoff, A.P. <i>et al.</i> (2011) Understanding the villain: DMBA induced pre-antral ovotoxicity involves selective follicular destruction and primordial follicle activation through</li></ol>
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**Storage**

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10451 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2246T">https://www.bio-rad-antibodies.com/SDS/MCA2246T</a> 10451
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@550</a> , <a href="#">DyLight@650</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

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