

# Datasheet: MCA2246 BATCH NUMBER 180510

Description:	MOUSE ANTI HUMAN AMH	
Specificity:	AMH	
Other names:	ANTI MULLERIAN HORMONE	
Format:	Con S/N	
<b>Product Type:</b>	Monoclonal Antibody	
Clone:	5/6	
Isotype:	lgG1	
Quantity:	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 <a href="www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			•	
Immunohistology - Frozen				
Immunohistology - Paraffin (1)				1/20 - 1/40
ELISA				
Immunoprecipitation				
Western Blotting	•			

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.

Target Species	Human
Species Cross	Reacts with: Mouse, Sheep, Squirrel monkey, Baboon
Reactivity	<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.

Product Form	Concentrated tissue culture supernatant - liquid		
Preparation	Concentrated Tissue Culture Supernatant containing 0.1M Tris/HCl pH7.4 and 5-10% foetal calf serum.		
Preservative Stabilisers	0.1% sodium azide (NaN <sub>3</sub> )		
Immunogen	Synthetic peptide derived from human AMH (VPTAYAGKLLISLSEERISAHHVPNMVATEC)		
External Database Links	UniProt: P03971 Related reagents  Entrez Gene: 268 AMH Related reagents		
Synonyms	MIF		
RRID	AB_2226471		
Fusion Partners	Spleen cells from immunised T/O outbred mice were fused with cells of the SP2/0 myeloma cell line.		
Specificity	<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.		
	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.		
Histology Positive Control Tissue	human ovary		
References	<ol> <li>Van Saen, D. <i>et al.</i> (2010) Meiotic activity in orthotopic xenografts derived from human postpubertal testicular tissue. <u>Hum Reprod. 26: 282-93.</u></li> <li>Gruijters, M.J <i>et al.</i> (2003) Anti-Müllerian hormone and its role in ovarian function. <u>Mol Cell Endocrinol. 211 (1-2): 85-90.</u></li> <li>Weenen, C. <i>et al.</i> (2004) Anti-Müllerian hormone expression pattern in the human ovary: potential implications for initial and cyclic follicle recruitment. <u>Mol Hum Reprod10: 77-83.</u></li> <li>Papanastasopoulos, P. <i>et al.</i> (2009) A case of complete androgen insensitivity syndrome presenting with incarcerated inguinal hernia: an immunohistochemical study. <u>Fertil Steril. 92: 1169.e11-4.</u></li> <li>Campbell, B.K. (2009) The endocrine and local control of ovarian follicle development in the ewe <u>Anim. Reprod. 6:159-71</u></li> <li>Walker, M.L. <i>et al.</i> (2009) Ovarian aging in squirrel monkeys (<i>Saimiri sciureus</i>).</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.

Guarantee 12 months from date of despatch

**Health And Safety** Information

Material Safety Datasheet documentation #10451 available at:

https://www.bio-rad-antibodies.com/SDS/MCA2246

10451

Regulatory For research purposes only

## Related Products

# **Recommended Secondary Antibodies**

Rabbit Anti Mouse IgG (STAR12...) **RPE** 

Goat Anti Mouse IgG IgA IgM (STAR87...) HRP

Goat Anti Mouse IgG (STAR76...) **RPE** 

Goat Anti Mouse IgG (STAR70...) **FITC** 

Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®550,

DyLight®650, DyLight®680, DyLight®800,

FITC, HRP

Goat Anti Mouse IgG (STAR77...) **HRP** 

Rabbit Anti Mouse IgG (STAR9...) **FITC** 

Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP

Rabbit Anti Mouse IgG (STAR13...) **HRP** 

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## Printed on 24 Jun 2024

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