



Datasheet: MCA2246

BATCH NUMBER 180510

Description:	MOUSE ANTI HUMAN AMH
Specificity:	AMH
Other names:	ANTI MULLERIAN HORMONE
Format:	Con S/N
Product Type:	Monoclonal Antibody
Clone:	5/6
Isotype:	IgG1
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 www.bio-rad-antibodies.com/protocols.

	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 Reactivity

Reacts with: Mouse, Sheep, Squirrel monkey, Baboon

N.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 ₃)
Immunogen	Synthetic peptide derived from human AMH (VPTAYAGKLLISLSEERISAHHVPNMVATEC)
External Database Links	<p>UniProt: P03971 Related reagents</p> <p>Entrez Gene: 268 AMH Related reagents</p>
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	<p>Mouse anti Human AMH, clone 5/6 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>
Histology Positive Control Tissue	human ovary
References	<ol style="list-style-type: none"> 1. Van Saen, D. <i>et al.</i> (2010) Meiotic activity in orthotopic xenografts derived from human postpubertal testicular tissue. Hum Reprod. 26: 282-93. 2. Gruijters, M.J <i>et al.</i> (2003) Anti-Müllerian hormone and its role in ovarian function. Mol Cell Endocrinol. 211 (1-2): 85-90. 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. Mol Hum Reprod10: 77-83. 4. Papanastasopoulos, P. <i>et al.</i> (2009) A case of complete androgen insensitivity syndrome presenting with incarcerated inguinal hernia: an immunohistochemical study. Fertil Steril. 92: 1169.e11-4. 5. Campbell, B.K. (2009) The endocrine and local control of ovarian follicle development in the ewe Anim. Reprod. 6:159-71 6. Walker, M.L. <i>et al.</i> (2009) Ovarian aging in squirrel monkeys (<i>Saimiri sciureus</i>).

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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
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Health And Safety Information	Material Safety Datasheet documentation #10451 available at: https://www.bio-rad-antibodies.com/SDS/MCA2246 10451
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Regulatory	For research purposes only
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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
Rabbit Anti Mouse IgG (STAR13...)	HRP
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
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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'M413874:221128'

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