

Datasheet: MCA2246

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| 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.

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| 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 |

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| 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 (VPTAYAGKLLISLSEERISAHHVPMVATEC) |
| 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>). Reproduction. 138: 793-9. 7. Sobinoff, A.P. <i>et al.</i> (2011) Understanding the villain: DMBA induced pre-antral |

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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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| Guarantee | 12 months from date of despatch |
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| Health And Safety Information | Material Safety Datasheet documentation #10451 available at: 10451: https://www.bio-rad-antibodies.com/uploads/MSDS/10451.pdf |
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| Regulatory | For research purposes only |
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Related Products

Recommended Secondary Antibodies

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| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| 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 (STAR13...) | HRP |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |

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| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: 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 | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
'M413874:221128'

Printed on 28 Nov 2022