

Datasheet: MCA2246

**BATCH NUMBER 153561**

|                      |                        |
|----------------------|------------------------|
| <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>     | 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        |
| 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.

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| <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.  |
| <b>Preservative Stabilisers</b>          | 0.1% sodium azide (NaN <sub>3</sub> )  |
| <b>Immunogen</b>                         | Synthetic peptide derived from human AMH (VPTAYAGKLLISLSEERISAHHVPNMVATEC)   |
| <b>External Database Links</b>           | <p><b>UniProt:</b><br/> <a href="#">P03971</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">268</a> AMH    <a href="#">Related reagents</a></p>   |
| <b>Synonyms</b>                          | MIF  |
| <b>RRID</b>                              | AB_2226471   |
| <b>Fusion Partners</b>                   | Spleen cells from immunised T/O outbred mice were fused with cells of the SP2/0 myeloma cell line.   |
| <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>   |
| <b>Histology Positive Control Tissue</b> | human ovary  |
| <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>).</li> </ol> |

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17. Camlin, N.J. *et al.* (2016) Maternal Smoke Exposure Impairs the Long-Term Fertility of Female Offspring in a Murine Model. [Biol Reprod. 94 \(2\): 39.](#)

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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/MCA2246">https://www.bio-rad-antibodies.com/SDS/MCA2246</a><br>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> ,<br><a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> ,<br><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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|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
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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://bio-rad-antibodies.com/datasheets)  
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