

Datasheet: MCA1026

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| Description: | MOUSE ANTI hCG (ALPHA 4 EPITOPE) |
| Specificity: | hCG (ALPHA 4 EPITOPE) |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | INN-hFSH-132 |
| Isotype: | IgG1 |
| Quantity: | 0.5 mg |

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) | ▪ | | | |
| ELISA | ▪ | | | 1ng/ml - 30ng/ml |
| Immunoprecipitation | ▪ | | | |
| Western Blotting | ▪ | | | |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using steam 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 |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A from ascites |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% sodium azide (NaN ₃) |

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| Approx. Protein Concentrations | IgG concentration 1 mg/ml |
| Immunogen | Human Follicle Stimulating Hormone (FSH). |
| External Database Links | <p>UniProt: P01215 Related reagents</p> <p>Entrez Gene: 1081 CGA Related reagents</p> |
| RRID | AB_321599 |
| Fusion Partners | Spleen cells from immunised mice were fused with cells of the X63-Ag8.653 myeloma cell line. |
| Specificity | <p>Mouse anti hCG (Alpha 4 Epitope) antibody, clone INN-hFSH-132 is a high affinity antibody recognising the alpha 4 epitope of the alpha-subunit of Human Chorionic Gonadotrophin (hCG), hLH, hFSH, hTSH and free alpha-subunit.</p> <p>The recognised epitope comprises amino-acids alpha 15 to alpha 22 of the human sequence.</p> <p>Mouse anti hCG (Alpha 4 Epitope) antibody, clone INN-hFSH-132 will not cross-react with glycoprotein hormones of various animal species.</p> |
| References | <ol style="list-style-type: none"> Berger, P. <i>et al.</i> (1988) Antigenic features of human follicle stimulating hormone delineated by monoclonal antibodies and construction of an immunoradiometric assay. Endocrinology. 123 (5): 2351-9. Berger, P. <i>et al.</i> (1990) Monoclonal antibodies against the free subunits of human chorionic gonadotrophin. J Endocrinol. 125 (2): 301-9. Dirnhofer, S. <i>et al.</i> (1994) Free alpha subunit of human chorionic gonadotrophin: molecular basis of immunologically and biologically active domains. J Endocrinol. 140 (1): 145-54. Zimmermann, G. <i>et al.</i> (2009) Epithelial human chorionic gonadotropin is expressed and produced in human secretory endometrium during the normal menstrual cycle. Biol Reprod. 80:1053-65. Untergasser, G. <i>et al.</i> (2001) Seminal plasma factors induce in vitro PRL secretion in smooth muscle cells of the human prostate. J Clin Endocrinol Metab. 86: 5577-84. Zenzmaier, C. <i>et al.</i> (2011) Decreased levels of genuine large free hCG alpha in men presenting with abnormal semen analysis. Reprod Biol Endocrinol. 9: 114. |
| Storage | <p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in</p> |

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 #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.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 |

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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
'M410400:221028'

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