

Datasheet: MCA1024

BATCH NUMBER 166319

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| Description: | MOUSE ANTI hCG (BETA 4 EPITOPE) |
| Specificity: | hCG (BETA 4 EPITOPE) |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | INN-hCG-24 |
| 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 | | | ▪ | |
| ELISA | ▪ | | | |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | | | ▪ | |
| Radioimmunoassays | ▪ | | | |

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.

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| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% sodium azide (NaN ₃) |
| Carrier Free | Yes |

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|---------------------------------------|---|
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml |
| Immunogen | Purified human chorionic gonadotropin. |
| External Database Links | <p>UniProt: P01233 Related reagents</p> <p>Entrez Gene: 1082 CGB Related reagents</p> |
| Synonyms | CGB3 |
| RRID | AB_321604 |
| Fusion Partners | Spleen cells from immunised mice were fused with cells of the NS1/1-Ag4.1 mouse myeloma cell line. |
| Specificity | <p>Mouse anti hCG antibody, clone INN-hCG-24 recognizes human chorionic gonadotrophin, also known as hCG or Choriogonadotropin subunit beta. Mouse anti hCG antibody, clone INN-hCG-24 is a high affinity antibody recognising the beta 4 epitope on hCG. It is also reactive with hCGbeta, hCGbetacf (fragment), hCGn (nicked), hCGbetan, CTP-hCG, CTP-hCGbeta. It has minor cross reactivity with hLH and hLHbeta. No cross reaction is observed with hFSH, hTSH, or the glycoprotein hormone alpha chains.</p> |
| References | <ol style="list-style-type: none"> 1. Kofler, R. <i>et al.</i> (1982) Monoclonal antibodies against human chorionic gonadotropin (hCG): I. production, specificity, and intramolecular binding sites. Am J Reprod Immunol. 2 (4): 212-6. 2. Schwarz, S. <i>et al.</i> (1986) The antigenic surface of human chorionic gonadotropin as mapped by murine monoclonal antibodies. Endocrinology. 118 (1): 189-97. 3. Kassanos, P. <i>et al.</i> (2008) Towards the development of an electrochemical biosensor for hCGbeta detection. Physiol Meas. 29 (6): S241-54. |
| 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 frost-free freezers is not recommended.</p> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | <p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1024</p> <p>10040</p> |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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|---|---|
| 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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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