

## Datasheet: MCA493

**BATCH NUMBER 158671**

<b>Description:</b>	MOUSE ANTI hCG (ALPHA 6 EPITOPE)
<b>Specificity:</b>	hCG (ALPHA 6 EPITOPE)
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	INN-hCG-72
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein</b>	Isotype concentration 4.0 mg/ml

## Concentrations

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**Immunogen** Human CG.

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## External Database Links

**UniProt:**

[P01215](#)    [Related reagents](#)

**Entrez Gene:**

[1081](#)    CGA    [Related reagents](#)

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**RRID** AB\_321601

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**Fusion Partners** Spleen cells from immunised mice were fused with cells of the X63-Ag8.653 mouse myeloma cell line.

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**Specificity** **Mouse anti Human hCG antibody, clone INN-hCG-72** recognises exclusively free hCG alpha. It reacts with the alpha 6 epitope on hCG alpha. No cross reaction is observed with holo-hCG in direct binding RIA of ELISA.

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## References

1. Berger, P. *et al.* (1990) Monoclonal antibodies against the free subunits of human chorionic gonadotrophin. [J Endocrinol. 125 \(2\): 301-9.](#)
  2. Madersbacher, S. *et al.* (1992) Free alpha-subunit, free beta-subunit of human chorionic gonadotropin (hCG), and intact hCG in sera of healthy individuals and testicular cancer patients. [Clin Chem. 38 \(3\): 370-6.](#)
  3. Berger, P. *et al.* (1993) Variants of human chorionic gonadotropin from pregnant women and tumor patients recognized by monoclonal antibodies. [J Clin Endocrinol Metab. 77 \(2\): 347-51.](#)
  4. Madersbacher, S. *et al.* (1993) Serum glycoprotein hormones and their free alpha-subunit in a healthy elderly population selected according to the SENIEUR protocol. Analyses with ultrasensitive time resolved fluoroimmunoassays. [Mech Ageing Dev. 71 \(3\): 223-33.](#)
  5. Dirnhofer, S. *et al.* (1994) Free alpha subunit of human chorionic gonadotropin: molecular basis of immunologically and biologically active domains. [J Endocrinol. 140 \(1\): 145-54.](#)
  6. Hiro'oka, T. *et al.* (2000) Disulfide bond mutations in follicle-stimulating hormone result in uncoupling of biological activity from intracellular behavior. [Endocrinology. 141 \(12\): 4751-6.](#)
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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 #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA493>  
10040

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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](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[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](https://www.bio-rad-antibodies.com/datasheets)  
'M384241:210513'

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