

## Datasheet: MCA1023

<b>Description:</b>	MOUSE ANTI hCG (HOLO C3 EPITOPE)
<b>Specificity:</b>	hCG (HOLO C3 EPITOPE)
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	INN-hCG-45
<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. 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 IgM prepared by ion exchange on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1 mg/ml
<b>Immunogen</b>	Human CG
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P01215</a> <a href="#">Related reagents</a> <a href="#">P01233</a> <a href="#">Related reagents</a>

**Entrez Gene:**[1081](#) CGA [Related reagents](#)[1082](#) CGB [Related reagents](#)**Synonyms**

CGB3

**RRID**

AB\_322004

**Specificity**

**Mouse anti hCG (Holo C3 Epitope) antibody, clone INN-hCG-45** recognizes intact human chorionic gonadotropin (holo-hCG), binding to the c3 epitope on hCG. Mouse anti hCG (Holo C3 Epitope) antibody, clone INN-hCG-45 does not recognize the free  $\alpha$  or  $\beta$  subunits of human chorionic gonadotropin.

**References**

1. 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.](#)
2. 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.](#)
3. Zenzmaier, C. *et al.* (2011) Decreased levels of genuine large free hCG alpha in men presenting with abnormal semen analysis. [Reprod Biol Endocrinol. 9: 114.](#)
4. Berger, P. *et al.* (2007) Human chorionic gonadotropin (hCG) in the male reproductive tract. [Mol Cell Endocrinol. 260-262: 190-6.](#)

**Storage**

Store at +4°C for one month or at -20°C for longer.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)Goat Anti Mouse IgG (STAR77...) [HRP](#)Rabbit Anti Mouse IgG (STAR12...) [RPE](#)Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)Rabbit Anti Mouse IgG (STAR13...) [HRP](#)Goat Anti Mouse IgG (STAR76...) [RPE](#)Goat Anti Mouse IgG (STAR70...) [FITC](#)Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),  
[DyLight®800](#), [FITC](#), [HRP](#)

## Recommended Negative Controls

### MOUSE IgG1 NEGATIVE CONTROL (MCA928)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

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Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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