

Datasheet: MCA493

Description:	MOUSE ANTI hCG (ALPHA 6 EPITOPE)
Specificity:	hCG (ALPHA 6 EPITOPE)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	INN-hCG-72
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. 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.

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
Approx. Protein	IgG concentration 4.0 mg/ml

Concentrations

Immunogen Human CG.

External Database Links

UniProt:

[P01215](#) [Related reagents](#)

Entrez Gene:

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

RRID AB_321601

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

Specificity **Mouse anti Human hCG antibody, clone INN-hCG-72** recognizes 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 or ELISA.

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA493>
10040

Regulatory For research purposes only

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](#)

Recommended Negative Controls

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

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](https://www.bio-rad-antibodies.com/datasheets)
'M437464:250313'

Printed on 13 Mar 2025

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