Datasheet: MCA493

BATCH NUMBER 159788

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 Concentrations	IgG concentration 4.0 mg/ml
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 anibody, 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 gonadotrophin: 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.
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

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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