

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
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	Isotype concentration 4.0 mg/ml

Immunogen	Human CG.
External Database Links	<p>UniProt: P01215 Related reagents</p> <p>Entrez Gene: 1081 CGA Related reagents</p>
RRID	AB_321601
Fusion Partners	Spleen cells from immunised mice were fused with cells of the X63-Ag8.653 mouse myeloma cell line.
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.
References	<ol style="list-style-type: none"> Berger, P. <i>et al.</i> (1990) Monoclonal antibodies against the free subunits of human chorionic gonadotrophin. J Endocrinol. 125 (2): 301-9. Madersbacher, S. <i>et al.</i> (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. Berger, P. <i>et al.</i> (1993) Variants of human chorionic gonadotropin from pregnant women and tumor patients recognized by monoclonal antibodies. J Clin Endocrinol Metab. 77 (2): 347-51. Madersbacher, S. <i>et al.</i> (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. Dirnhofer, S. <i>et al.</i> (1994) Free alpha subunit of human chorionic gonadotropin: molecular basis of immunologically and biologically active domains. J Endocrinol. 140 (1): 145-54. Hiro'oka, T. <i>et al.</i> (2000) Disulfide bond mutations in follicle-stimulating hormone result in uncoupling of biological activity from intracellular behavior. Endocrinology. 141 (12): 4751-6.
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	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@680 , DyLight@800 , FITC , HRP
Goat Anti Mouse IgG (STAR70...)	FITC

Recommended Negative Controls

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

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