

Datasheet: MCA1024

Description:	MOUSE ANTI hCG (BETA 4 EPITOPE)
Specificity:	hCG (BETA 4 EPITOPE)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	INN-hCG-24
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. 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 G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Purified human chorionic gonadotropin.
External Database Links	UniProt:

Entrez Gene:

[1082](#) CGB [Related reagents](#)

Synonyms	CGB3
Fusion Partners	Spleen cells from immunised mice were fused with cells of the NS1/1-Ag4.1 mouse myeloma cell line.
Specificity	Mouse anti hCG antibody, clone INN-hCG-24 recognizes human chorionic gonadotrophin, also known as hCG or Choriogonadotropin subunit beta. Mouse anti hCG antibody, clone INN-hCG-24 is a high affinity antibody recognising the beta 4 epitope on hCG. It is also reactive with hCGbeta, hCGbetacf (fragment), hCGn (nicked), hCGbetan, CTP-hCG, CTP-hCGbeta. It has minor cross reactivity with hLH and hLHbeta. No cross reaction is observed with hFSH, hTSH, or the glycoprotein hormone alpha chains.
References	1. Kofler, R. <i>et al.</i> (1982) Monoclonal antibodies against human chorionic gonadotropin (hCG): I. production, specificity, and intramolecular binding sites. Am J Reprod Immunol. 2 (4): 212-6. 2. Schwarz, S. <i>et al.</i> (1986) The antigenic surface of human chorionic gonadotropin as mapped by murine monoclonal antibodies. Endocrinology. 118 (1): 189-97. 3. Kassanos, P. <i>et al.</i> (2008) Towards the development of an electrochemical biosensor for hCGbeta detection. Physiol Meas. 29 (6): S241-54.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 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 (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

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

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