

Datasheet: MCA712

Description:	MOUSE ANTI HUMAN PROLACTIN (EPITOPE c)
Specificity:	PROLACTIN (EPITOPE c)
Other names:	PRL
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	INN-hPRL-1
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	▪			1/500 - 1/1000
Immunohistology - Paraffin (1)	▪			1/500 - 1/1000
ELISA	▪			1/20 - 1/200
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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. 1mM EDTA buffer pH 8.0 is recommended for this purpose.

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
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
External Database Links	<p>UniProt: P01236 Related reagents</p> <p>Entrez Gene: 5617 PRL Related reagents</p>
RRID	AB_322383
Specificity	Mouse anti Human Prolactin antibody, clone INN-hPRL-1 recognises human prolactin, also known as luteotropic hormone or luteotropin, binding to epitope 'c' as determined by a competitive binding assay (Staindl <i>et al.</i> 1987). Prolactin is a 199 amino acid ~24 kDa secreted anterior pituitary hormone acting to promote lactation.
Histology Positive Control Tissue	Human Pituitary
References	<ol style="list-style-type: none"> 1. Staindl, B. <i>et al.</i> (1987) Monoclonal antibodies against human, bovine and rat prolactin: epitope mapping of human prolactin and development of a two-site immunoradiometric assay. J Endocrinol. 114 (2): 311-8. 2. Toth, B. <i>et al.</i> (2009) Insulin and leptin receptors as possible new candidates for endocrine control in normal and disturbed human pregnancy. Mol Hum Reprod. 15:231-9. 3. Toth, B. <i>et al.</i> (2010) Placental interleukin-15 expression in recurrent miscarriage. Am J Reprod Immunol. 64 (6): 402-10. 4. Ye, Y. <i>et al.</i> (2018) Prostaglandin E₂ receptor 3 signaling is induced in placentas with unexplained recurrent pregnancy losses. Endocr Connect. 7 (5): 749-761.
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: https://www.bio-rad-antibodies.com/SDS/MCA712 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
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

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

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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
'M405630:220916'

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