

Datasheet: MCA712

**BATCH NUMBER 152014**

<b>Description:</b>	MOUSE ANTI HUMAN PROLACTIN (EPITOPE c)
<b>Specificity:</b>	PROLACTIN (EPITOPE c)
<b>Other names:</b>	PRL
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	INN-hPRL-1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01236</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5617</a>    PRL    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_322383
<b>Specificity</b>	<b>Mouse anti Human Prolactin antibody, clone INN-hPRL-1</b> recognises human prolactin, also known as luteotropic hormone or luteotropin, binding to epitope 'c' as determined by a competitive binding assay ( <a href="#">Staindl <i>et al.</i> 1987</a> ). Prolactin is a 199 amino acid ~24 kDa secreted anterior pituitary hormone acting to promote lactation.
<b>Histology Positive Control Tissue</b>	Human Pituitary
<b>References</b>	<ol style="list-style-type: none"> <li>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. <a href="#">J Endocrinol. 114 (2): 311-8.</a></li> <li>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. <a href="#">Mol Hum Reprod. 15:231-9.</a></li> <li>3. Ye, Y. <i>et al.</i> (2018) Prostaglandin E<sub>2</sub> receptor 3 signaling is induced in placentas with unexplained recurrent pregnancy losses. <a href="#">Endocr Connect. 7 (5): 749-761.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA712">https://www.bio-rad-antibodies.com/SDS/MCA712</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

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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://bio-rad-antibodies.com/datasheets)

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