

## Datasheet: MCA332

**BATCH NUMBER 160215**

<b>Description:</b>	MOUSE ANTI HUMAN PLACENTAL LACTOGEN (EPITOPE 2)
<b>Specificity:</b>	PLACENTAL LACTOGEN (EPITOPE 2)
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	INN-hPL-37
<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			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Immunofluorescence	▪			
IRMA	▪			

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.

<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>	Hanks Balanced Salt Solution
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein</b>	IgG concentration 1.0 mg/ml

## Concentrations

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**Immunogen** Human placental lactogen (hPL).

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**External Database Links**

**UniProt:**

[Q6PF11](#)

[Related reagents](#)

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**RRID** AB\_2083886

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**Fusion Partners** Spleen cells from immunised mice were fused with cells of the X63-Ag8.653 myeloma cell line.

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**Specificity** **Mouse anti Human placental lactogen antibody, clone INN-hPL-37** recognizes human placental lactogen, also known as Chorionic somatomammotropin hormone or choriomammotropin. Radioimmunological direct binding studies were performed with 125I-labelled hPL, hGH, hPRL and increasing amounts of INN-hPL-37. In addition, competitive RIA with unlabelled hGH, hPRL and hPL were used for characterization. In competitive RIA cross reactivity with hGH and hPRL was below 1%. Direct binding demonstrated 39% reactivity with hGH but no cross reactivity with hPRL.

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**References**

- Schwarz, S. *et al.* (1985) Epitope-selective, monoclonal-antibody-based immunoradiometric assays of predictable specificity for differential measurement of choriogonadotropin and its subunits. [Clin Chem. 31 \(8\): 1322-8.](#)
  - Maidji, E. *et al.* (2006) Maternal antibodies enhance or prevent cytomegalovirus infection in the placenta by neonatal Fc receptor-mediated transcytosis. [Am J Pathol. 168: 1210-26.](#)
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**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10189 available at: <https://www.bio-rad-antibodies.com/SDS/MCA332>  
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**Regulatory** For research purposes only

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## 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](#)

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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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