

## Datasheet: MCA5827G

**BATCH NUMBER 0112R**

<b>Description:</b>	MOUSE ANTI HUMAN PLACENTAL GROWTH HORMONE
<b>Specificity:</b>	PLACENTAL GROWTH HORMONE
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	78.8E8
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	1 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	▪			1/5000 - 1/50000
Immunoprecipitation			▪	
Western Blotting			▪	

Where this product 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 product 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 from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01242</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2689</a>    GH2    <a href="#">Related reagents</a></p>
<b>Specificity</b>	<p><b>Mouse anti Human Placental Growth Hormone, clone 78.8E8</b> recognises the placenta-specific variant of human growth hormone, also known as Growth hormone 2 (GH2) or growth hormone variant. It plays an important role in growth control. Mouse anti Human Placental Growth Hormone, clone 78.8E8 does not react with human pituitary growth hormone (GH1), human placental lactogen or human prolactin.</p> <p>Mouse anti Human Placental Growth Hormone, clone 78.8E8 has been successfully used as a capture reagent in a sandwich ELISA along with biotinylated Mouse anti Human Placental Growth Hormone, clone 78.7C12 (<a href="#">MCA5828G</a>) as a detection reagent (<a href="#">Liao et al. 2017</a>).</p>
<b>References</b>	<ol style="list-style-type: none"> <li>Liao, S. <i>et al.</i> (2017) Maternal serum IGF-1, IGFBP-1 and 3, and placental growth hormone at 20 weeks' gestation in pregnancies complicated by preeclampsia. <a href="#">Pregnancy Hypertens. 10: 149-54.</a></li> <li>Liao, S. <i>et al.</i> (2017) Maternal serum placental growth hormone, insulin-like growth factors and their binding proteins at 20 weeks' gestation in pregnancies complicated by gestational diabetes mellitus. <a href="#">Hormones (Athens). 16 (3): 282-90.</a></li> <li>Liao, S. <i>et al.</i> (2019) Increased maternal serum placental growth hormone variant in pregnancies complicated by otosclerosis. <a href="#">Clin Otolaryngol. 44 (5): 757-61.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. 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/MCA5827G">https://www.bio-rad-antibodies.com/SDS/MCA5827G</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)      [HRP](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
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 (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

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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)  
'M368436:200529'

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