

Datasheet: 2330-4879

**BATCH NUMBER 168523**

<b>Description:</b>	MOUSE ANTI CORTISOL
<b>Specificity:</b>	CORTISOL
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	BGN/C53
<b>Isotype:</b>	IgG3
<b>Quantity:</b>	0.2 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
ELISA	▪			1/500 - 1/5000

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>	Broad
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Antibody purified 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>	1.0 mg/ml
<b>Immunogen</b>	Cortisol-3-BSA

<b>Specificity</b>	<p><b>Mouse anti cortisol monoclonal antibody, clone BGN/C53</b> recognizes cortisol, a glucocorticoid hormone synthesized from cholesterol by the adrenal cortex. It is released in response to pituitary adenocorticotrophic hormone (ACTH) which is, in turn, regulated by corticotrophin releasing factor (CRF). High levels of cortisol act to regulate the release of ACTH and CRF via negative feedback inhibition.</p> <p>The release of cortisol stimulates the conversion of proteins to carbohydrates, raises blood sugar levels and promotes glycogen storage in the liver</p> <p>Cross reactivity:  Cortisol 100%,  Corticosterone 50%,  Prednisolone 15%,  11-Desoxycortisol, &lt;0.1%  Cortisone, &lt;0.1%  17-a-OH Progesterone, &lt;0.1%.</p>
<b>References</b>	<p>1. Yamaguchi, M. <i>et al.</i> (2013) Immunosensor with fluid control mechanism for salivary cortisol analysis. <a href="#">Biosens Bioelectron. 41: 186-91.</a></p>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/2330-4879">https://www.bio-rad-antibodies.com/SDS/2330-4879</a> 10040</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Human Anti Mouse IgG3 (HCA039...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</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> ,

Rabbit Anti Mouse IgG (STAR13...) [FITC](#), [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [HRP](#)  
[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)  
'M405266:220916'

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