

## Datasheet: NB-47-04401-250UG

<b>Description:</b>	RAT ANTI MOUSE IgG2b HEAVY CHAIN
<b>Specificity:</b>	IgG2b HEAVY CHAIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	LO-MG2b-2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.25 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.neo-biotech.com](http://www.neo-biotech.com).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1.25ug/ml (detection)
Western Blotting			▪	

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.

<b>Target Species</b>	Mouse
<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>	0.1% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

<b>Immunogen</b>	Purified mouse IgG2b.
<b>External Database Links</b>	<p><b>UniProt:</b> <a href="#">P01867</a></p> <p><b>Entrez Gene:</b> <a href="#">16016</a> Ighg2b</p>
<b>RRID</b>	AB_321834
<b>Fusion Partners</b>	Spleen cells from immunized LOU/c rats were fused with cells of the rat IR983F myeloma cell line.
<b>Specificity</b>	<b>Rat anti Mouse IgG2b Heavy Chain antibody, clone LO-MG2b-2</b> reacts with mouse IgG2b heavy chain. The avidity of Rat anti Mouse IgG2b Heavy Chain antibody, clone LO-MG2b-2 for IgG2b is $1 \times 10^{10} \text{ M}^{-1}$ .
<b>References</b>	<ol style="list-style-type: none"> <li>1. Bazin, H. <i>et al.</i> (1984) Rat monoclonal antibodies. I. Rapid purification from in vitro culture supernatants. <a href="#">J Immunol Methods. 66 (2): 261-9.</a></li> <li>2. Denis, O. <i>et al.</i> (1993) Resting B cells can act as antigen presenting cells in vivo and induce antibody responses. <a href="#">Int. Immunol. 5: 71-8.</a></li> <li>3. DeGiovanni, C. <i>et al.</i> (2019) Cancer Vaccines Co-Targeting HER2/Neu and IGF1R. <a href="#">Cancers (Basel). 11 (4)Apr 11 [Epub ahead of print].</a></li> </ol>
<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>	Material Safety Datasheet documentation available at: <a href="http://www.neo-biotech.com">www.neo-biotech.com</a>
<b>Regulatory</b>	For research purposes only

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