

## Datasheet: MCA2417GA

<b>Description:</b>	RAT ANTI MOUSE GITRL
<b>Specificity:</b>	GITRL
<b>Other names:</b>	AITRL
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	YGL386
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 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	▪			1/25 - 1/50
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
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>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.
<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>Immunogen</b>	Recombinant mouse GITRL.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9UNG2</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">8995</a>    TNFSF18    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	AITRL, GITRL, TL6
<b>RRID</b>	AB_2207127
<b>Fusion Partners</b>	Spleen cells from immunised DA rats were fused with cells of the Y3/Ag1.2.3 myeloma cell line.
<b>Specificity</b>	<p><b>Rat anti Mouse GITRL antibody, clone YGL386</b> recognizes mouse glucocorticoid-induced tumour necrosis factor receptor ligand (GITRL), a 20 kDa member of the tumour necrosis factor ligand superfamily, otherwise known as TNFSF18.</p> <p>Mouse GITRL is predominantly expressed on immature and mature dendritic cells, macrophages and B cells. Expression of mouse GITRL can be transiently up regulated on these cells, following lipopolysaccharide (LPS) stimulation, but protein expression is rapidly down modulated shortly after stimulation.</p> <p>GITRL can neutralise the suppressive effects of CD4+CD25+ regulatory T cells and can also provide a co-stimulatory signal for both naïve and primed T cells, suggesting a key role for GITRL in the regulation of T cell-mediated immunity.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Cobbold, S.P. <i>et al.</i> (2004) Induction of foxP3+ regulatory T cells in the periphery of T cell receptor transgenic mice tolerized to transplants. <a href="#">J Immunol. 172 (10): 6003-10.</a></li> <li>2. Sakihama, T. <i>et al.</i> (2008) A simple detection method for low-affinity membrane protein interactions by baculoviral display. <a href="#">PLoS One. 3 (12): e4024.</a></li> <li>3. Tone, M. <i>et al.</i> (2003) Mouse glucocorticoid-induced tumor necrosis factor receptor ligand is costimulatory for T cells. <a href="#">Proc Natl Acad Sci U S A. 100 (25): 15059-64.</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 #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2417GA">https://www.bio-rad-antibodies.com/SDS/MCA2417GA</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®650</a> , <a href="#">DyLight®800</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>

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