

Datasheet: MCA2417GA

Description:	RAT ANTI MOUSE GITRL
Specificity:	GITRL
Other names:	AITRL
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	YGL386
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

RRID AB_2207127

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.

	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.

Target Species Mouse

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% sodium azide

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen	Recombinant mouse GITRL.
External Database Links	<p>UniProt: Q9UNG2 Related reagents</p> <p>Entrez Gene: 8995 TNFSF18 Related reagents</p>
Synonyms	AITRL, GITRL, TL6
Fusion Partners	Spleen cells from immunised DA rats were fused with cells of the Y3/Ag1.2.3 myeloma cell line.
Specificity	<p>Rat anti Mouse GITRL antibody, clone YGL386 recognizes mouse glucocorticoid-induced tumour necrosis factor receptor ligand (GITRL), a 20 kDa member of the tumour necrosis factor ligand superfamily, otherwise known as TNSF18.</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>Studies demonstrate that 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>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 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. J Immunol. 172 (10): 6003-10. 2. Sakihama, T. <i>et al.</i> (2008) A simple detection method for low-affinity membrane protein interactions by baculoviral display. PLoS One. 3 (12): e4024. 3. Tone, M. <i>et al.</i> (2003) Mouse glucocorticoid-induced tumor necrosis factor receptor ligand is costimulatory for T cells. Proc Natl Acad Sci U S A. 100 (25): 15059-64.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p>
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (STAR72...)	HRP
Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®800

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