



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Rat Anti Mouse GITRL **With HRP-conjugated Secondary Antibody**

Catalog No.
DS-MB-01367

Target Species
Mouse

Isotype
IgG1

Preparation

Immunogen: Recombinant mouse GITRL

Purification: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Specificity

DS-MB-01362 recognizes mouse glucocorticoid-induced tumor necrosis factor receptor ligand (GITRL), a 20 kD member of the tumor necrosis factor ligand superfamily, otherwise known as TNFSF18.

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.

Studies demonstrate that GITRL can neutralize 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.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline pH7.4

Preservatives & Stabilizers: 0.09% Sodium Azide

Approx. Protein Concentrations: 1.0 mg/ml

Fusion Partners: Spleen cells from immunized DA rats were fused with cells of the Y3/Ag1.2.3 myeloma cell line.

The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.



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Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

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.

Shelf Life: 18 months from date of shipment

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			.	
Western Blotting			.	
Immunohistology - frozen			.	
Flow Cytometry (2)	.			1/25 - 1/50

Note (1) Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.
(2) Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	.			1:5000-1:10000

References

1. Cobbold, S.P. *et al.* (2004) Induction of FoxP3+ Regulatory T Cells in the Periphery of T cell Receptor Transgenic mice Tolerized to Transplants. *J Immunol.* 172:6003 - 6010.

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