



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Rat RT1D (Class II Monomorphic)

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-02257

Target Species
Rat

Isotype
IgG1

Preparation: Purified IgG prepared by affinity chromatography on Protein G

Product Type: Monoclonal Antibody

Immunogen: Rat spleen glycoproteins

Species Cross Reactivity: Reacts with: Mouse **N.B.** Antibody reactivity and working conditions may vary between species.

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline pH7.2

Preservative Stabilizers: 0.09% Sodium Azide

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Fusion Partners: Spleen cells from immunised mice were fused with cells from the mouse X63.Ag8.653 myeloma cell line .

Specificity: Recognizes a monomorphic determinant on rat RT1D, the rat homologue of mouse I-E, present on all rat strains. MRC OX-17 does not cross-react with rat RT1B or mouse I-E antigen (1).

This product is routinely tested in flow cytometry on rat splenocytes.

Flow Cytometry: Use 10ul of the suggested working dilution to label 10^6 cells in 100ul. Method sheets are available on request.

**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.

Recommended Reading:

1. Fukumoto, T. *et al.* (1982) Mouse monoclonal antibodies against rat major histocompatibility antigens. Two Ia antigens and expression of Ia and class I antigens in rat thymus. *Eur. J. Immunol.* 12: 237-243.
2. Romaniuk, A. *et al.* (1995) Rejection of cartilage formed by transplanted allogeneic chondrocytes: evaluation with monoclonal antibodies. *Transplant. Immunol* 3: 251-257.

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	.			
Immunohistology – paraffin (1)			.	
Immunohistology - resin			.	
Immunoprecipitation			.	
Flow Cytometry	.			1/100
Immunofluorescence staining			.	
Neutralization			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

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Secondary Antibody Applications

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

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