



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Mouse anti Guinea Pig T Cell subset

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-02359

**Species**  
Guinea Pig

**Isotype**  
IgG1

### **Preparation:**

**Immunogen:** Guinea pig Thymocytes

**Fusion Partners:** Spleen cells from an immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

### **Specificity**

DS-MB-02359 reacts with the majority of cortical thymocytes and a major population in the medulla. In lymph nodes MSgp12 positive cells are found in the follicles and a major population of cells are labeled in the T dependent areas. 60% of lymph node T cells are labeled. The antigen recognized may be the guinea pig homologue of human CD4. Although this antibody fails to inhibit T helper function *in vitro*, MSgp12 positive cells are the responder population in a Mixed Lymphocyte Reaction.

### **Formulation**

**Product Type:** Monoclonal Antibody

**Product Form:** Liquid

**Preservative & Stabilizers:** 0.09% Sodium Azide (NaN<sub>3</sub>)

**Buffer Solution:** Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.2

### **Storage**

18 months from date of dispatch.

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

Storage in frost-free freezers is not recommended. This product should be stored undiluted.

**Should this product contain a precipitate we recommend microcentrifugation before use.**

**Avoid repeated freezing and thawing as this may denature the antibody.**

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



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### 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			▪	
Immunohistology - resin			▪	
Immunoprecipitation			▪	
Flow Cytometry	▪			
Immunofluorescence			▪	

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

### Secondary Antibody Applications

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

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