



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Mouse Anti-Human IgM, RPE-labeled

**Catalog No.**  
DS-MB-03360

**Target Species**  
Human

**Isotype**  
IgG1

### Preparation

Purified IgG prepared by affinity chromatography on Protein A

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

### Formulation

**Product Form:** Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

**Product Type:** Monoclonal Antibody

**Reconstitution:** Reconstitute with 1 ml distilled water

**Buffer Solution:** Phosphate buffered saline

**Preservative Stabilizers:** 0.09% Sodium Azide, 1% Bovine Serum Albumin

### Specificity

This product recognizes human IgM, binding to the m heavy chain. The antibody does not cross-react with other immunoglobulin classes.

### Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry (1)	•			Neat
Immunohistology - Frozen			•	
Western Blotting			•	
Elisa			•	

**Note:** Other applications have not been tested. Optimal dilutions should be determined.  
(1) Use 10ul of the suggested working dilution to label  $10^6$  cells in 100ul.

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



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### **Storage**

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

This product should be stored undiluted.

#### **DO NOT FREEZE**

This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 12 months from date of reconstitution.

### **References**

1. Cragg, M.S. *et al.* (1999) Analysis of the interaction of monoclonal antibodies with surface IgM on neoplastic B-cells. *Br. J. Cancer.* 79: 850-7.
2. Irie, E. *et al.* (2010) Severe hypogammaglobulinemia persisting for 6 years after treatment with rituximab combined chemotherapy due to arrest of B lymphocyte differentiation together with alteration of T lymphocyte homeostasis. *Int J Hematol.* DOI 10.1007/s12185-010-0528-6

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