



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## MOUSE ANTI HUMAN IgM

With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-03355

**Species**  
Human

**Isotype**  
IgG1

### **Preparation**

**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 Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

**Buffer Solution:** Phosphate buffered saline pH7.4

**Preservative & Stabilizers:** 0.09% Sodium Azide

**Approx. Protein Concentrations:** IgG concentration 1.0 mg/ml

### **Specificity**

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

### **Storage**

**Shelf Life:** 18 months from date of dispatch

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.**

**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

| <b>Options</b><br><b>Functions</b> | <b>YES</b> | <b>NO</b> | <b>Not determined</b> | <b>Recommended<br/>Work dilution or<br/>concentration</b> |
|------------------------------------|------------|-----------|-----------------------|---|
| ELISA                              | ▪          |           |                       | 50ug/ml as Coating Ab                                     |
| Immunoprecipitation                | ▪          |           |                       |   |
| Flow Cytometry                     | ▪          |           |                       | 20ug/ml   |
| Immunohistology –<br>Frozen        | ▪          |           |                       | 20ug/ml   |

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

### Secondary Antibody Applications

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

### Reference

Crag, 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.

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