



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## MOUSE ANTI HUMAN HER2

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-01492

**Species**  
Human

**Isotype**  
Mouse IgG1

### ***Preparation***

**Immunogen:** NIH3T3 transfected with full-length HER-2 human c-DNA.

**Purification:** Purified IgG prepared by caprylic acid precipitation

### ***Specificity***

DS-MB-01492 is specific for HER-2.

The HER-2 oncogene is located on the long arm of chromosome 17 at 17q21 and encodes a 185 kDa transmembrane tyrosine kinase receptor belonging to the EGFR family. The HER-2 oncogene is overexpressed in about 30% of human breast and ovary carcinomas, where overexpression correlates with a more aggressive clinical course.

### ***Formulation***

**Product Form:** Purified IgG – liquid

**Buffer Solution:** Phosphate buffered saline

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

**Approx. Protein Concentrations:** IgG concentration 0.5 mg/ml

### ***Histology Positive Control Tissue***

Breast, stomach, ovarian and bladder carcinoma.

### ***Storage***

18 months shelf life. Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

**Please avoid freeze-thaw cycles.**

**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 staining	•			
Neutralization			•	

*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 blot)	•			1:5000-1:10000

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