



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Mouse Anti Human Heparin/Heparan Sulfate

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-01450

**Target Species**  
Human

**Isotype**  
IgG1

### ***Specificity***

DS-MB-01450 recognizes Heparin and the other closely related glycosaminoglycan heparan sulfate. This antibody reacts with mammals. Antibody reactivity and working conditions may vary between species.

### ***Formulation***

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

**Preservatives & Stabilizers:** 0.09% Sodium Azide ( $\text{NaN}_3$ )

**Buffer Solution:** Phosphate buffered saline

**Approx Protein Concentration:** IgG concentration 1.0 mg/ml

### ***Storage***

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

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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

**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> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA	•			
Immunohistology – Frozen			•	
Immunohistology - Paraffin			•	
Western Blotting			•	
Immunoblotting	•			

Note (1) Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

## Secondary Antibody Applications

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

## References

1. Shibata, S. *et al.* (1993) Monoclonal antibodies to heparan sulfate inhibit the formation of thrombin-antithrombin III complexes Clin. Immunol. Immunopathol. 67: 264-272.

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