



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet Goat Anti Group A Streptococcus:HRP

**Catalog No.**  
MD-05-0466

**Species**  
Bacterial

## Preparation

**Immunogen:** Streptococci, Group A  
**Purification:** Immunoaffinity purified antibody covalently coupled to a highly purified preparation of horseradish peroxidase (RZ>3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is absent. Estimated molar HRP: IgG substitution is 2-3.

## Specificity

Type specific carbohydrate of group A Streptococcus. Does not react with other Strep groups.

## Formulation

**Format:** HRP, Liquid  
**Concentration:** 1mg/ml (OD280nm,  $E^{0.1\%} = 1.4$ )  
**Buffer:** PBS containing 10mg/ml BSA  
**Preservative:** 0.002% Thimerosal

## Storage

Short-term (up to 6 months) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles. **Use of sodium azide as a preservative will substantially inhibit the enzyme activity of horseradish peroxidase.**

**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 Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA	.			1:200 - 1:1,000
Western Blotting			.	
Immunohistology			.	
Immunocytochemistry	.			1:20 - 1:200
Flow Cytometry			.	
Immunofluorescence staining			.	
IFA			.	

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

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

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