



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Rabbit Anti E.coli Beta Galactosidase

### With HRP-Conjugated Second Antibody

**Catalog No.**  
DS-PB-00250

**Target Species**  
Bacterial

### **Preparation**

**Immunogen:** Highly purified beta Galactosidase from E.coli

**Purification:** Purified IgG prepared by affinity chromatography on Protein G

### **Specificity**

DS-PB-00250 is specific for Beta-Galactosidase, an inducible tetrameric enzyme coded by the lac Z gene of the lac operon that is often used as a reporter to assess the efficiency of transfection. It is a metalloenzyme that splits lactose into glucose and galactose by hydrolyzing terminal, non-reducing beta-D-galactose residues in beta-D-galactosides.

### **Formulation**

**Product Type:** Polyclonal Antibody

**Product Form:** Purified IgG - liquid

**Buffer Solution:** Phosphate buffered saline, pH 7.4

**Preservative Stabilizers:** 0.09% Sodium Azide (NaN<sub>3</sub>)

**Approx. Protein Concentration:** 5.0 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:** 18 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 Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA	.			
Western Blotting	.			
IHC			.	

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

### Secondary Antibody Applications

<b>Options 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

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