



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Mouse Anti-Human Erythropoietin (EPO)

With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-01246

**Target Species**  
Human

**Isotype**  
IgG1

### **Preparation**

**Preparation:** Purified IgG prepared by affinity chromatography on Protein A  
**Immunogen:** R-DNA

### **Specificity**

DS-MB-01246 is specific for erythropoietin (EPO) and binds to an epitope within the first 26 amino acids of the N-terminus of human urinary and human recombinant EPO.

EPO is a 30 kDa glycoprotein hormone secreted primarily by the kidney that stimulates bone marrow erythropoiesis in response to hypoxia or anemia. The cDNAs for EPO have been cloned from many species. The mature proteins from the various species are highly conserved, exhibiting greater than 80% sequence identity at the amino acid level.

### **Formulation**

**Product Type:** Monoclonal Antibody  
**Product Form:** Purified IgG - liquid  
**Buffer Solution:** Phosphate buffered saline, pH 7.2  
**Preservatives & Stabilizers:** 0.09% Sodium Azide ( $\text{NaN}_3$ )  
**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:** 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	▪			1/40K - 1/160K
Western Blotting			▪	
Immunohistology - frozen			▪	
Immunohistology - paraffin			▪	
Flow Cytometry			▪	

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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