



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet Mouse Anti-HUMAN IgG4:HRP

**Catalog No.**  
DS-MB-03354

**Target Species**  
Human

**Isotype**  
IgG1

## Preparation

**Preparation:** Purified IgG prepared by affinity chromatography on Protein A

## Specificity

Human IgG4, recognizing an epitope in the pFc region. No cross-reactivity is observed with Human IgG1, IgG2, IgG3 isotypes

## Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid

**Buffer Solution:** Phosphate buffered saline pH7.2

**Preservative Stabilizers:** 0.05% Proclin™ 300, 0.002% Methylisothiazolone, 0.002%  
Bromonitrodioxane

**Approx. Protein Concentrations:** IgG concentration 1.0 mg/ml

## Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology – Frozen(1)	•			1:40 – 1:80
Immunohistology - Paraffin			•	
Immunohistology - Resin			•	
Western Blotting			•	
Elisa	•			1:25,600 – 1:51,200

**Note:** Optimal dilutions should be determined by each laboratory for each application.

(1) Histology Positive Control Tissue: Tonsil

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### ***Storage***

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

This product should be stored undiluted. Storage in frost-free freezers is not recommended. 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.

### ***Reference***

1. Jefferis, R. et al. (1985) Evaluation of monoclonal antibodies having specificity for human IgG subclasses: results of an IVIS/WHO collaborative study. Immunology Letters. 10: 223-252.

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