



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

MOUSE ANTI HUMAN IgG1 (Fc)

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03342

Target Species
Human

Isotype
IgG2a

Preparation

Purification: Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Immunogen: Purified human IgG1

Fusion Partners: Spleen cells from immunized BALB/c mice were fused with cells of the SP2/0 AG14 mouse myeloma cell line.

Specificity

DS-MB-03342 reacts with Human IgG1 at an epitope localized to the Fc region. It is negative on IgG2, IgG3, IgG4, free kappa or free lambda, IgM, IgA1 (lambda), IgA2 (kappa) and IgD.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations: 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.

References

1. Jefferis, R. *et al.* (1985) Evaluation of Monoclonal Antibodies having specificity for Human IgG subclasses. Results of an IUIS/WHO collaborative study. *Immunology Letters*. 10: 223-252.
2. Hussain, R. *et al.* (1986) Use of monoclonal antibodies to quantify subclasses of Human IgG. *J. Immunol. Methods*. 93: 89-96.
3. Jefferis, R. *et al.* (1990) Selective IgG subclass deficiency: quantification and clinical relevance. *Clin. Exp. Immunol.* 81: 357-367.

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



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Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen	•			
Immunohistology - Paraffin		•		
Immunohistology - Resin			•	
Western Blotting			•	
Immunodiffusion	•			
Elisa		•		

Note: Other applications are not tested yet. Optimal dilutions should be determined.

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

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