



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Human Thyroid Peroxidase

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-02412

Target Species
Human

Isotype
IgG1

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline, pH 7.2

Preservative & Stabilizers: 0.09% Sodium Azide

Approx. Protein Concentration: 1.0mg/ml

Preparation

Purified IgG prepared by affinity chromatography on Protein A

Immunogen: Human thyroid peroxidase

Specificity

DS-MB-02412 is specific for human thyroid peroxidase. Thyroid peroxidase (TPO) is an enzyme expressed in the thyroid gland which is necessary for the production of thyroid hormones such as thyroxine. Congenital hypothyroidism and congenital goiter are both associated with mutations in the TPO gene.

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

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			
Flow Cytometry			•	
IHC			•	
Western Blot	•			

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

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

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