



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet Rabbit anti-Thyroglobulin (C-terminus) antibody

Catalog No. 130-10005	Isotype: Rabbit Ig G	Species: Human	Accession No: P01266
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Description

Thyroglobulin (TG) represents one of the main autoantigenic targets in autoimmune thyroid disease of humans. TG is a large globular dimeric glycoprotein with a total molecular weight of 660 kDa, which occupies a key precursor role in the biosynthesis of the thyroid hormones. Approximately 75% of the total protein content of the thyroid follicle consists of TG.

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	*			1:6.4x10e5(at least detecting 16ng/ml)
Western Blotting			*	
Enzyme Immunoassay(EIA)			*	
Immunohistology - paraffin			*	
Immunohistology - resin			*	
Immunoprecipitation			*	
Flow Cytometry			*	
Neutralization			*	

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

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



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Preparation

Immunogen was synthetic peptide derived from Human Thyroglobulin. This antibody was produced from a rabbit immunized with the immunogen. The IgG fraction was purified from rabbit serum followed by Protein A/G affinity chromatography.

Specificity

The rabbit anti-Thyroglobulin antibody specifically detected target derived from human recombinant protein at various concentrations. Cross reactivity with mouse and rat Thyroglobulin was not tested yet.

Reconstitution

Supplied as lyophilized and purified antibody originally containing PBS, without **Preservative Stabilizers**, liking Sodium Azide. *It final concentration is indicated in shipping vial.*

The antibody is stable for at least years from the data of receipt when stored at -20°C to -70°C . Reconstituted antibody (suggesting with sterile PBS) can also be aliquotted and stored frozen at -20°C to -70°C in a manual defrost freezer for months without detectable loss activity. Upon reconstitution, the antibody can be stored at 4°C for 1 month. **Please avoid freeze-thaw cycles.**

Storage

Store at -20°C , if not intended for use within a month, keep it at 4°C and minimize freezing and thawing when use.

Related products

1. [Thyroglobulin ELISA Kit](#), Cat# ELH-Thyroglobulin-001
2. Chicken anti Thyroglobulin(N-terminus), CAT#130-00021

Reference

B.Glbelli, P.Tredici, C.DE Cicco, L.Bodel, M.T. Sandri, G.Renne, R.Bruschini, N.Tradat. (2005) Preoperative determination of serum thyroglobulin to identify patients with differentiated thyroid cancer who may present recurrence without increased thyroglobulin. *Acta Otorhinolaryngol Ital* 25:94-99

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