

## Anti-Thyroglobulin Antibody [rTGB24] (A250110)

### Specifications:

Name:	Anti-Thyroglobulin Antibody [rTGB24]
Description:	Recombinant mouse monoclonal [rTGB24] antibody to Thyroglobulin.
Specificity:	Thyroglobulin is a 660kDa dimeric pre-protein with multiple glycosylation sites. It is produced by and processed within the thyroid gland to produce the hormone thyroxine and triiodothyronine. Prior to forming dimers, thyroglobulin monomers undergo conformational maturation in the endoplasmic reticulum. The vast majority of follicular carcinomas of the thyroid will give positive immunoreactivity for anti-thyroglobulin even though sometimes only focally. Poorly differentiated carcinomas of the thyroid are frequently anti-thyroglobulin negative. Adenocarcinomas of other-than-thyroid origin do not react with this antibody. This antibody is useful in identification of thyroid carcinoma of the papillary and follicular types. Presence of thyroglobulin in metastatic lesions establishes the thyroid origin of tumor. Anti-thyroglobulin, combined with anti-calcitonin, can identify medullary carcinomas of the thyroid. Furthermore, anti-thyroglobulin, combined with anti-TTF1, can be a reliable marker to differentiate between primary thyroid and lung neoplasms.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Human thyroid follicular cells.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	rTGB24
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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### Specifications continued:

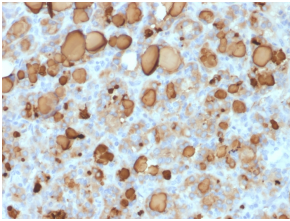
**General Notes:**

This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Thyroglobulin Antibody [rTGB24] - BSA and Azide free (A253290).

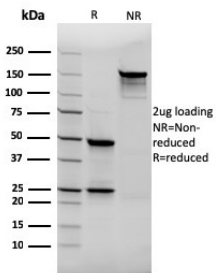
**Disclaimer:**

This product is for research use only. It is not intended for diagnostic or therapeutic use.

### Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human thyroid carcinoma using Anti-Thyroglobulin Antibody [rTGB24].



SDS-PAGE analysis of Anti-Thyroglobulin Antibody [rTGB24] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.