

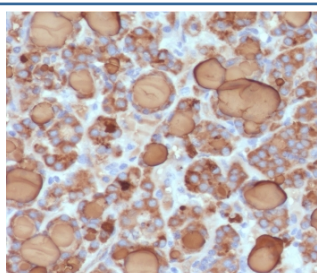
## Recombinant Thyroglobulin Antibody / Rabbit Monoclonal [clone TG157-3R] (V3734)

Catalog No.	Formulation	Size
V3734-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3734-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3734SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3734IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

### Recombinant RABBIT MONOCLONAL

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human. Other species not known.
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	TG157-3R
Purity	Protein A affinity chromatography
UniProt	P01266
Localization	Cytoplasmic, secreted
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
Limitations	This recombinant Thyroglobulin antibody is available for research use only.



IHC staining of FFPE human thyroid carcinoma with recombinant Thyroglobulin antibody (clone TG157-3R). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

## Description

Thyroglobulin (Tg) is a glycoprotein homodimer produced predominantly by the thyroid gland. It acts as a substrate for the synthesis of thyroxine and triiodothyronine as well as the storage of the inactive forms of thyroid hormone and iodine. Thyroglobulin is secreted from the endoplasmic reticulum to its site of iodination, and subsequent thyroxine biosynthesis, in the follicular lumen. Mutations in this gene cause thyroid dysmorphogenesis, manifested as goiter, and are associated with moderate to severe congenital hypothyroidism. Polymorphisms in this gene are associated with susceptibility to autoimmune thyroid diseases (AITD) such as Graves disease and Hashimoto thyroiditis. [provided by RefSeq]

## Application Notes

Optimal dilution of the recombinant Thyroglobulin antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Human thyroid follicular cells were used as the immunogen for the recombinant Thyroglobulin antibody.

## Storage

Store the recombinant Thyroglobulin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).