



Mouse anti Thyroglobulin Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** Thyroglobulin
- **Catalogue:** 604-740
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** ZY460
- **Application:** IHC(P)
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human Thyroglobulin

BACKGROUND

Thyroglobulin (Tg) is a dimeric glycoprotein that is predominantly produced by follicular cells of the thyroid. This protein is secreted from the endoplasmic reticulum to the follicular lumen. Tg acts as a substrate for the synthesis of thyroxine (T4) and triiodothyronine (T3) as well as storage of inactive forms of thyroid hormone and iodine.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Thyroglobulin protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 17.7
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

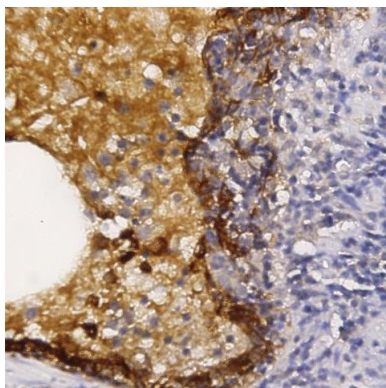
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human breast carcinoma (FFPE) stained with Mouse anti-Thyroglobulin (Cat# 604-740) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

Sellitti DF, Suzuki K. 2014. Thyroid 24(4):625

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