

## Recombinant Thyroglobulin Monoclonal Antibody

catalog number: **AN301675L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

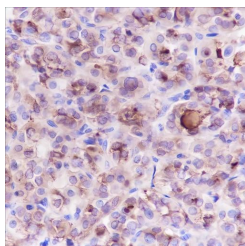
### Description

<b>Reactivity</b>	Human;
<b>Immunogen</b>	Recombinant human Thyroglobulin fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	A378
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

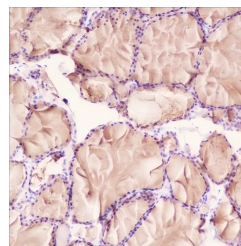
### Applications Recommended Dilution

<b>IHC</b>	1:100-1:1000
<b>FCM</b>	1:50-1:100

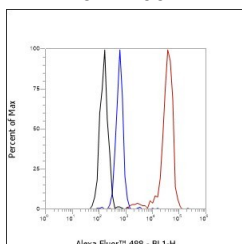
### Data



Immunohistochemistry of paraffin-embedded Human thyroid cancer using Thyroglobulin Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human thyroid using Thyroglobulin Monoclonal Antibody at dilution of 1:1000.



Flow cytometric analysis of human Thyroglobulin expression on TT cells. Cells were stained with purified anti-Human Thyroglobulin, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

### For Research Use Only

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Rev. V1.0

Acts as a substrate for the production of iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3). The synthesis of T3 and T4 involves iodination of selected tyrosine residues of TG/thyroglobulin followed by their oxidative coupling in the thyroid follicle lumen. Following TG re-internalization and lysosomal-mediated proteolysis, T3 and T4 are released from the polypeptide backbone leading to their secretion into the bloodstream. One dimer produces 7 thyroid hormone molecules.