

## Mouse Thyroglobulin Monoclonal Antibody | anti-TG antibody

MAb to Thyroglobulin

|                              |                      |                              |
|------------------------------|----------------------|------------------------------|
| CATALOG #<br><b>AAA58016</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|------------------------------|----------------------|------------------------------|

### PRODUCT SYNONYMS

Thyroglobulin; Monoclonal Antibody; MAb to Thyroglobulin; Monoclonal Antibody to Human Thyroglobulin; anti-TG antibody

### PRODUCT SPECIFICATIONS

|                                              |                                                                                                                                                                                                                                                                     |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                         | Mouse                                                                                                                                                                                                                                                               |
| Clonality                                    | Monoclonal                                                                                                                                                                                                                                                          |
| Isotype                                      | IgG <sub>2b</sub>                                                                                                                                                                                                                                                   |
| Specificity                                  | Specifically recognizes human thyroglobulin. Does not interfere with anti-thyroglobulin autoantibodies.                                                                                                                                                             |
| Purity/Purification                          | >90% pure (SDS-PAGE). Protein A Chromatography                                                                                                                                                                                                                      |
| Form/Format                                  | Purified, Liquid; PBS, pH 7.4                                                                                                                                                                                                                                       |
| Concentration                                | 4.5 mg/mL (OD280nm, E <sup>0.1%</sup> = 1.4) (varies by lot)                                                                                                                                                                                                        |
| Sequence Length                              | 2768                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-TG antibody | ELISA                                                                                                                                                                                                                                                               |
| Immunogen                                    | Thyroglobulin from human thyroid gland.                                                                                                                                                                                                                             |
| Source                                       | Cell Culture                                                                                                                                                                                                                                                        |
| Preservative                                 | 0.09% Sodium Azide                                                                                                                                                                                                                                                  |
| Safety Note                                  | Refer to the appropriate Safety Data Sheet (SDS) for additional information.                                                                                                                                                                                        |
| References                                   | The reference listed below is for research purposes only: Erali, M., et al., (1996), "ELISA for thyroglobulin in serum: recovery studies to evaluate autoantibody interference and reliability of thyroglobulin values", Clinical Chemistry, <b>42</b> (5): 766-770 |
| Preparation and Storage                      | Store at 2-8 degrees C.                                                                                                                                                                                                                                             |

### ADDITIONAL INFORMATION

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|------------------------------------------------|------------------------------------------------|
| Product Categories/Family for anti-TG antibody | Monoclonal Antibodies to Hormones and Steroids |
|------------------------------------------------|------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                           |                             |
|---------------------------|-----------------------------|
| NCBI GI #                 | <a href="#">55770862</a>    |
| NCBI GeneID               | <a href="#">7038</a>        |
| NCBI Accession #          | <a href="#">NP_003226.4</a> |
| NCBI GenBank Nucleotide # | <a href="#">NM_003235.4</a> |

|                                  |                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt Accession #              | <a href="#">P01266</a> ; <a href="#">O15274</a> ; <a href="#">O43899</a> ; <a href="#">Q15593</a> ; <a href="#">Q15948</a> ; <a href="#">Q9NYR1</a> ; <a href="#">Q9NYR2</a> ; <a href="#">Q9UMZ0</a> ; <a href="#">Q9UNY3</a> |
| Molecular Weight                 | 304,790 Da                                                                                                                                                                                                                     |
| NCBI Official Full Name          | thyroglobulin                                                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | thyroglobulin                                                                                                                                                                                                                  |
| NCBI Official Symbol             | TG                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | TGN; AITD3                                                                                                                                                                                                                     |
| NCBI Protein Information         | thyroglobulin                                                                                                                                                                                                                  |
| UniProt Protein Name             | Thyroglobulin                                                                                                                                                                                                                  |
| UniProt Gene Name                | <b>TG</b>                                                                                                                                                                                                                      |
| UniProt Synonym Gene Names       | Tg                                                                                                                                                                                                                             |
| UniProt Entry Name               | THYG_HUMAN                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/thyroglobulin-antibody-elisa/58016>