

## Datasheet: 8959-9831

|                      |                          |
|----------------------|--------------------------|
| <b>Description:</b>  | MOUSE ANTI THYROXINE     |
| <b>Specificity:</b>  | THYROXINE                |
| <b>Other names:</b>  | T4                       |
| <b>Format:</b>       | Purified                 |
| <b>Product Type:</b> | Monoclonal Antibody      |
| <b>Clone:</b>        | BGN/0980/322 (T4:1-32.2) |
| <b>Isotype:</b>      | IgG1                     |
| <b>Quantity:</b>     | 1 mg                     |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                            | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry             |     |    | ▪              |                    |
| Immunohistology - Frozen   |     |    | ▪              |                    |
| Immunohistology - Paraffin |     |    | ▪              |                    |
| ELISA                      | ▪   |    |                | 1/20 - 1/200       |
| Western Blotting           |     |    | ▪              |                    |
| Immunofluorescence         | ▪   |    |                |                    |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

### Target Species

Broad

### Species Cross Reactivity

Reacts with: Mouse, flounder (*Paralichthys olivaceus*)

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Purified IgG prepared by affinity chromatography on Protein G

|                                       |  |
|---------------------------------------|--|
| <b>Buffer Solution</b>                | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )   |
| <b>Carrier Free</b>                   | Yes  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml  |
| <b>Immunogen</b>                      | Thyroxine conjugated to Bovine Serum Albumin.  |
| <b>RRID</b>                           | AB_619268  |
| <b>Specificity</b>                    | <b>Mouse anti thyroxine antibody, clone BGN/0980/322</b> recognizes thyroxine, also known as T4. Thyroxine is a form of thyroid hormone secreted by the follicular cells of the thyroid gland. Mouse anti thyroxine antibody, clone BGN/0980/322 does not cross react with either rT3 or T3.   |
| <b>References</b>                     | <ol style="list-style-type: none"> <li>1. Carre, A. <i>et al.</i> (2011) Hes1 is required for appropriate morphogenesis and differentiation during mouse thyroid gland development. <a href="#">PLoS One. 6: e16752.</a></li> <li>2. Washio, Y. <i>et al.</i> (2015) Exposure to oxidative by-products during metamorphosis affects pigmentation patterns in flounder, <i>Paralichthys olivaceus</i>. <a href="#">Aquaculture 435: 318-27.</a></li> <li>3. Stoupa, A. <i>et al.</i> (2018) TUBB1 mutations cause thyroid dysgenesis associated with abnormal platelet physiology. <a href="#">EMBO Mol Med. 10 (12): pii: e9569</a></li> </ol> |
| <b>Storage</b>                        | <p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>  |
| <b>Guarantee</b>                      | 12 months from date of despatch  |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>  |
| <b>Regulatory</b>                     | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

|                                       |  |
|---------------------------------------|--|
| Goat Anti Mouse IgG (STAR77...)       | <a href="#">HRP</a>                        |
| Rabbit Anti Mouse IgG (STAR12...)     | <a href="#">RPE</a>                        |
| Rabbit Anti Mouse IgG (STAR8...)      | <a href="#">DyLight®800</a>                |
| Goat Anti Mouse IgG (STAR76...)       | <a href="#">RPE</a>                        |
| Goat Anti Mouse IgG (Fc) (STAR120...) | <a href="#">FITC</a> , <a href="#">HRP</a> |

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)

|                                  |   |                  |   |               |   |
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|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M382557:210513'

**Printed on 22 Sep 2021**

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