

Datasheet: 8959-9831

BATCH NUMBER 0315

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

	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	<p>Reacts with: Mouse, flounder (<i>Paralichthys olivaceus</i>)</p> <p>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.</p>
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Thyroxine conjugated to Bovine Serum Albumin.
RRID	AB_619268
Specificity	Mouse anti thyroxine antibody, clone BGN/0980/322 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.
References	<ol style="list-style-type: none"> Carre, A. <i>et al.</i> (2011) Hes1 is required for appropriate morphogenesis and differentiation during mouse thyroid gland development. PLoS One. 6: e16752. Washio, Y. <i>et al.</i> (2015) Exposure to oxidative by-products during metamorphosis affects pigmentation patterns in flounder, <i>Paralichthys olivaceus</i>. Aquaculture 435: 318-27. Stoupa, A. <i>et al.</i> (2018) TUBB1 mutations cause thyroid dysgenesis associated with abnormal platelet physiology. EMBO Mol Med. 10 (12): pii: e9569
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/8959-9831</p> <p>10040</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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

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