

## Datasheet: 8900-0700

<b>Description:</b>	MOUSE ANTI HUMAN THYROGLOBULIN
<b>Specificity:</b>	THYROGLOBULIN
<b>Other names:</b>	Tg
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	5F9 (BGN/6E10)
<b>Isotype:</b>	IgG2a
<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	▪			
Western Blotting			▪	

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	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>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified native human thyroglobulin.
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P01266</a> <a href="#">Related reagents</a>

**Entrez Gene:**[7038](#) TG [Related reagents](#)

<b>Specificity</b>	<p><b>Mouse anti Human Thyroglobulin antibody, clone 5F9</b> recognizes human thyroglobulin (Tg). Thyroglobulin is a 2768 amino acid ~670kDa homodimeric protein containing multiple thyroglobulin type 1 domains. Thyroglobulin is produced by the thyroid gland and is a precursor in the production of the thyroid hormones Triiodothyronine (T3) and Thyroxine (T4), important for regulating metabolic processes in the body (<a href="#">Uniprot: P01266</a>).</p> <p>Mutations in the thyroglobulin gene can lead to developmental and autoimmune diseases including Thyroid dysharmonogenesis 3 (<a href="#">Targovnik et al. 2010</a>) and Autoimmune thyroid disease 3 (<a href="#">Ban et al. 2003</a>).</p> <p>Mouse anti Human Thyroglobulin antibody, clone 5F9 has been used successfully as a capture reagent in a sensitive sandwich ELISA for the detection of thyroglobulin in human serum and plasma samples.</p>
<b>ELISA</b>	8900-0700 is suitable for use as a capture antibody in a sandwich ELISA with <a href="#">8900-0730</a> (clone 5E6) as the detection antibody.
<b>Storage</b>	<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>
<b>Shelf Life</b>	18 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 (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@549</a> , <a href="#">DyLight@649</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Human Anti Mouse IgG2a (HCA037...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>

### Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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Fax: +44 (0)1865 852 739

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