

Datasheet: 8900-0700

Description:	MOUSE ANTI HUMAN THYROGLOBULIN
Specificity:	THYROGLOBULIN
Other names:	Tg
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	5F9 (BGN/6E10)
Isotype:	IgG2a
Quantity:	1 mg

Product Details

RRID AB_617397

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	▪			
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.

Target Species Human

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 (NaN₃)

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Purified native human thyroglobulin.

**External Database
Links**

UniProt:

[P01266](#) [Related reagents](#)

Entrez Gene:

[7038](#) TG [Related reagents](#)

Specificity

Mouse anti Human Thyroglobulin antibody, clone 5F9 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 ([Uniprot: P01266](#)).

Mutations in the thyroglobulin gene can lead to developmental and autoimmune diseases including Thyroid dyshormonogenesis 3 ([Targovnik et al. 2010](#)) and Autoimmune thyroid disease 3 ([Ban et al. 2003](#)).

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.

ELISA

8900-0700 is suitable for use as a capture antibody in a sandwich ELISA with [8900-0730](#) (clone 5E6) as the detection antibody.

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted.
Avoid repeated freezing and thawing as this may denature the antibody.
Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Human Anti Mouse IgG2a (HCA037...) [FITC](#), [HRP](#)

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

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

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

'M340375:190109'

Printed on 20 May 2019

© 2019 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)