

Datasheet: 8900-0700

BATCH NUMBER 159195

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

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	<0.1% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations

Immunogen Purified native human thyroglobulin.

External Database Links

UniProt:

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

Entrez Gene:

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

RRID AB_617397

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 dysharmonogenesis 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

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/8900-0700>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
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
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	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
'M390542:210921'

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