

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

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 from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Purified native human thyroglobulin.
External Database Links	<p>UniProt: P01266 Related reagents</p> <p>Entrez Gene: 7038 TG Related reagents</p>
RRID	AB_617397
Specificity	<p>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).</p> <p>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).</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>
ELISA	8900-0700 is suitable for use as a capture antibody in a sandwich ELISA.
Storage	<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>
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
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M429148:240320'

Printed on 09 Aug 2024