

Datasheet: 8900-0730

Description:	MOUSE ANTI HUMAN THYROGLOBULIN
Specificity:	THYROGLOBULIN
Other names:	Tg
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	5E6 (BGN/6D7)
Isotype:	IgG2b
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	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	1.0 mg/ml
Immunogen	Purified human thyroglobulin.
External Database Links	UniProt: P01266 Related reagents

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

Specificity	Mouse anti Human Thyroglobulin antibody, clone 5E6 recognises human thyroglobulin (Tg), 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 dysmorphogenesis 3 (Targovnik et al. 2010) and Autoimmune thyroid disease 3 (Ban et al. 2003). Mouse anti Human Thyroglobulin antibody, clone 5E6 has been used successfully as a detection reagent in a sensitive sandwich ELISA for the detection of thyroglobulin in human serum and plasma samples.
ELISA	8900-0730 is suitable for use as a detection antibody in a sandwich ELISA using 8900-0700 as the capture 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.
Shelf Life	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 (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG2b (HCA038...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

Recommended Useful Reagents

[MOUSE ANTI HUMAN THYROGLOBULIN \(8900-0700\)](#)

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Printed on 02 May 2018

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