



Anti-TG monoclonal antibody, clone 22B27 (CABT-BL3560)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Native purified human TG.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	22B27
Conjugate	Unconjugated
Applications	ELISA,sELISA
Format	Liquid
Buffer	In PBS, pH 7.4 (0.1% sodium azide)
Preservative	0.1% Sodium Azide
Storage	Store at 4°C.

BACKGROUND

Introduction	Thyroglobulin (Tg) is a glycoprotein homodimer produced predominantly by the thyroid gland. It acts as a substrate for the synthesis of thyroxine and triiodothyronine as well as the storage of the inactive forms of thyroid hormone and iodine. Thyroglobulin is secreted from the endoplasmic reticulum to its site of iodination, and subsequent thyroxine biosynthesis, in the follicular lumen. Mutations in this gene cause thyroid dysharmonogenesis, manifested as goiter,
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and are associated with moderate to severe congenital hypothyroidism. Polymorphisms in this gene are associated with susceptibility to autoimmune thyroid diseases (AITD) such as Graves disease and Hashimoto thyroiditis. [provided by RefSeq, Nov 2009]

GENE INFORMATION

Entrez Gene ID	7038
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Protein Refseq	NP_003226
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UniProt ID	P01266
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