



# Anti-TG monoclonal antibody, clone 8D3 (CABT-BL3559)

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

## PRODUCT INFORMATION

|                    |   |
|--------------------|---|
| Immunogen          | Human protein                                   |
| Isotype            | IgG1  |
| Source/Host        | Mouse   |
| Species Reactivity | Human   |
| Clone              | 8D3   |
| Conjugate          | Unconjugated                                    |
| Applications       | WB  |
| Preservative       | None  |
| Storage            | Store for 1 year at -20°C from date of shipment |

## BACKGROUND

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|--------------|--|
| 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 dysmorphogenesis, manifested as goiter, 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] |
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# 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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