

## TG 抗原

中文名称：TG 抗原

英文名称：TG Antigen

相关类别：抗原

储 存： 冷冻（-20℃）

### 概述

Synthetic peptide corresponding to a region derived from 2754-2768 amino acids of human thyroglobulin

### 技术规格

<b>Full name</b>	thyroglobulin
<b>Synonyms</b>	TGN; AITD3
<b>Swissprot</b>	P01266
<b>Gene Accession</b>	NP_003226
<b>Background</b>	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.