

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

Full name	thyroglobulin
Synonyms	TGN; AITD3
Swissprot	P01266
Gene Accession	NP_003226
Background	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.

