

## ARG80638 Human Thyroglobulin (hTg) ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG80638 Human Thyroglobulin (hTg) ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Thyroglobulin (hTg) in serum and plasma (EDTA, heparin, citrate).
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Thyroglobulin
Sensitivity	1 ng/ml
Sample Type	Serum and plasma (EDTA, heparin, citrate).
Standard Range	3 - 300 ng/ml
Sample Volume	50 µl
Alternate Names	AITD3; Tg; TGN; Thyroglobulin

### Application Instructions

Assay Time	1 h, 1 h, 15 min, 5 min (RT)
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	TG
Gene Full Name	thyroglobulin
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. [provided by RefSeq, Nov 2009]
Function	Precursor of the iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3). [UniProt]
Highlight	Related products: <a href="#">Thyroglobulin antibodies</a> ; <a href="#">Thyroglobulin ELISA Kits</a> ;

New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

Research Area

Cancer kit; Signaling Transduction kit

PTM

Sulfated tyrosines are desulfated during iodination.