10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human Thyroglobulin

Thyroglobulin, TGN, AITD3, TG
Catalog # PBV11502r

Specification

Human Thyroglobulin - Product info

Primary Accession	P01266
Calculated MW	**331 kDa KDa**

Human Thyroglobulin - Additional Info

Gene ID	**7038**

Other Names
Thyroglobulin, TGN, AITD3, TG

Gene Source	**Human**
Source	**N/A**
Assay&Purity	**SDS-PAGE;> 95%**
Recombinant	**No**

Target/Specificity
TG

Format
Liquid

Storage
-20°C;N/A

Human Thyroglobulin - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human Thyroglobulin - Images

Human Thyroglobulin - Background

Thyroglobulin (TG) represents one of the main autoantigenic targets in autoimmune thyroid disease of humans. TG is a large globular dimeric glycoprotein with a total molecular weight of 660 kDa, which occupies a key precursor role in the biosynthesis of the thyroid hormones. Approximately 75% of the total protein content of the thyroid follicle consists of TG. The thyroid

gland uses the Thyroglobulin in order to produce the thyroid hormones thyroxine (T4) and triiodothyronine (T3). Thyroglobulin is produced by the thyroid epithelial cells (thyrocytes) which form spherical follicles. Thyroglobulin is subsequently secreted and stored in the follicular lumen.