



## Product Datasheet

<b>Product Name</b>	Thyroglobulin Human
<b>Cata No</b>	CB501063
<b>Source</b>	Native, Isolated from human thyroid glands.

### Description

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.

Human Thyroglobulin is a glycosylated, polypeptide chain having a total molecular mass of 662 kDa.

### Formulation

Recombinant Human TG is supplied at a of 0.5mg/ml in 16mM HEPES buffer pH-7.6, 240mM sodium chloride, and 20% glycerol.

### Source

Native, Isolated from human thyroid glands.

### Immunological functions

1. Binds to IgG-type human auto-antibodies.
2. Auto-antibodies to thyroglobulin recognize conformation-dependent epitopes.
3. Standard ELISA test (checker-board analysis of positive/negative sera panels, including 1st international reference serum NIBSC 65/93)

### Coating concentration

0.7-1 µg/ml (depending on the type of ELISA plate and coating buffer).

Suitable for biotinylation and iodination.

### Storage Conditions

Store at 4°C if entire vial will be used within 2-4 weeks.

Store, frozen at -20°C for longer periods of time.

**Avoid multiple freeze-thaw cycles.**

**\* For Non-Clinical Research Use Only \***