

## Thyroglobulin (non recombinant)

### Antigen Specification

**Product Number: 12200**

**Description:**

Human thyroglobulin (TG). Natural antigen for research use or manufacturing only.

**Immunological function:**

Binds IgG-type human auto-antibodies. Auto-antibodies to thyroglobulin recognize conformation-dependent epitopes.

**Origin:**

Native. Isolated from human thyroid glands.

**Biochemical tests:**

SDS-PAGE (purity > 95%).

**Apparent molecular weight:**

662 kDa (331 kDa per subunit).

**Immunological tests/Functionality:**

Standard ELISA test (checkerboard analysis of positive/negative samples, including 1<sup>st</sup> international reference serum NIBSC 65/93); immunodot analyses with positive/negative samples.

**Recommended buffer/storage and handling conditions:**

Recommendations for storage buffer: neutral to slightly alkaline pH and 40% sucrose as cryoprotective agent. Storage conditions: -70°C or below. Repeated freeze/thaw cycles should be avoided.

**Coating concentration:**

0.7-1.0 µg/mL (depending on the type of ELISA plate and coating buffer). Suitable for labeling of functional groups.

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