

Thyroglobulin (non recombinant)

Antigen Specification

Product Number: 12200

Description:

Human thyroglobulin (TG).
Natural antigen for in vitro research
and manufacturing use 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%); Western
blot with monoclonal anti-TG antibody.

Apparent molecular weight:

662 kDa (331 kDa per subunit).

Immunological tests/Functionality:

Standard ELISA test (checkerboard
analysis of positive/negative samples,
including 1st 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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