

Thyroglobulin (non recombinant)

Antigen Specification

Product Number: 12200

Description:

Human thyroglobulin (TG). Natural antigen for solid (ELISA) and fluid phase diagnostic assays.

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:

662,000 Dalton (331,000 Dalton per subunit).

Immunological tests/Functionality:

Standard ELISA test (checkerboard analysis of positive/negative sera panels, including 1st international reference serum NIBSC 65/93).

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: ionic strength around 150 mM, neutral to slightly alkaline pH and 40 % sucrose as cryoprotective agent. Storage temperature: -70° to -80° C. 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 biotinylation and iodination.

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