

ImmunO™

Monoclonal Anti-thyroxine (Anti-T4)
Catalog #: 63102
Lot #: 46

Form: 250 tests in 830 ul phosphate buffer saline pH 7.4 containing 0.1% sodium azide.

Description: Monoclonal Anti-Thyroxine is a product derived from a hybridoma, clone 16-A, created from a fusion between a mouse myeloma cell line (NS1) and splenocytes from BALB/c mice immunized with L-thyroxine-bovine serum albumin (molar ratio 18:1).

Preparation: Monoclonal Anti-Thyroxine is a partially purified mouse Ig fraction (IgG1) from culture supernatant of hybridoma 16A.

Clone: 16-A

Antibody

Performance

in RIA System: 1. Double antibody RIA.

2. Precipitation with second antibody - rabbit anti-mouse IgG

3. Tracer: Iodine¹²⁵-L-thyroxine with a specific activity of 1 mCi/ug

Quantity used per tube is 15 pg.

Titer: 0.1 ml of a 1:30 dilution binds approximately 50% of 15 pg T₄.

Sensitivity: 2 ng thyroxine

Storage: Store at -20°C. Avoid repeated freeze/thaw cycles.

Specificity: L-Thyroxine 100%

L-Triiodothyronine 0.5%

Diiodotyrosine < 0.04%

Monoidotyrosine < 0.001%

Affinity Constant: 1.0×10^8

Note: This product is not for diagnostic use. Research purposes only.

 Approved by: Joseph Dietz, Ph.D.
Quality Control Director

Control # R128