

Product Information

Name	Anti TG monoclonal antibody
Target	Thyroglobulin, TG
Target Species	Human
Target Description	Thyroglobulin is a glycoprotein acting as a substrate for the synthesis of thyroxine and triiodothyronine.
Host	Mouse
Product Description	Monoclonal antibody produced by <i>in vitro</i> cell culture under conditions free from animal-derived components
Conjugation	Unconjugated/AP
Catalog #	1023201/1023201(AP)
Solution	Saline solution, pH 6.5-7.5 with preservative
Appearance	Clear, transparent liquid, colorless or slightly yellow
Storage	2-8°C
Purity	>95%
Subclass	IgG1, kappa
Affinity (K_{aff})	>10 ⁹ L/mol
LoB	User Guide
Specificity	Positive: / Negative: PTH, T3, TSH
Epitope	ND
Applications	<input checked="" type="checkbox"/> ELISA <input checked="" type="checkbox"/> CLIA <input type="checkbox"/> GICA <input type="checkbox"/> FIA <input type="checkbox"/> IHC
Pair	<input type="checkbox"/> Capture <input checked="" type="checkbox"/> Detection
Recommendations	Pairable with #1023101
Stability	2 years
Concentration	2.0 mg/mL (+/-10%) or marked on the vial
Lot #	_____
References	

User Guide

Catalog # 1023
 Lot # _____

CLIA

Antigen Identification

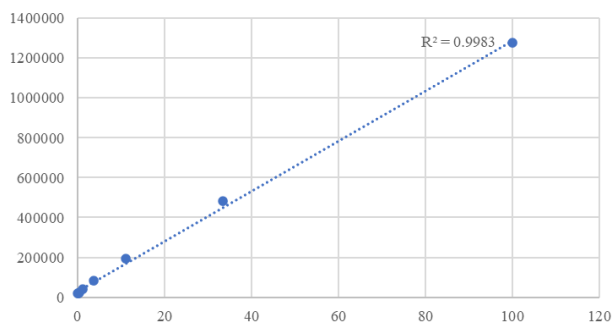
The antigen adopted in the following assays is a widely recognized clinical applied product obtained commercially.

Procedure

1. Mix 20 μ L serially diluted antigen or serum samples with 20 μ L (diluted to working conc. 50T/mL) capture reagent of 1023101(B) and 20 μ L 0.6mg/mL streptavidin-conjugated magnetic beads. Incubate with stir at 37 $^{\circ}$ C for 30 minutes.
2. Add 50 μ L (diluted to working conc. 20T/mL) detection reagent of 1023201(AP). Incubate with stir at 37 $^{\circ}$ C for 30 minutes.
3. Measure the relative light unit (RLU) of each reaction with a clinical approved chemiluminescence analyzer.

Measuring Range

The linear measuring range (at least) is 0.12-100ng/mL ($R^2 > 0.99$).



Limit of Blank* *Follow the Guideline EP17 published by Clinical and Laboratory Standards Institute (CLSI)

Sample tested: blank samples. Tests: 20.

The LoB is <0.08ng/mL.

Limit of Detection* *Follow the Guideline EP17 published by Clinical and Laboratory Standards Institute (CLSI)

Sample tested: low concentration samples. Tests: 20.

The LoD is <0.1ng/mL.

Specificity

The assay shows no cross-reactivities when detecting antigens as follows: PTH at a tested conc. of 1000ng/mL, T3 at a tested conc. of 1000ng/mL, TSH at a tested conc. of 1000ng/mL.

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