Product Information

Name	Anti T4 monoclonal antibody
Target	Thyroxine, T4
Target Species	Human
Target Description	Thyroxine is a type of thyroid hormone that is well known for controlling metabolism, growth, and many other bodily functions.
Host	Mouse
Product Description	Monoclonal antibody produced by *in vitro* cell culture under conditions free from animal-derived components
Conjugation	Unconjugated/Biotin/AP
Catalog #	1025101/1025101(B)/1025101(AP)
Solution	Saline solution, pH 6.5-7.5 with preservative
Appearance	Clear, transparent liquid, colorless or slightly yellow
Storage	2-8℃
Purity	>95%
Subclass	IgG1, kappa
Affinity (K_{aff})	$>10^9$ L/mol
LoB	User Guide
Specificity	Positive: / Negative: T3, rT3
Epitope	ND
Applications	■ELISA ■CLIA □GICA □FIA □IHC
Pair	■Capture ■Detection
Recommendations	Pairable with #/
Stability	2 years
Concentration	2.0 mg/mL (+/-10%) or marked on the vial
Lot #	_____
References	

User Guide

Catalog # 1025

Lot # _____

CLIA

Antigen Identification

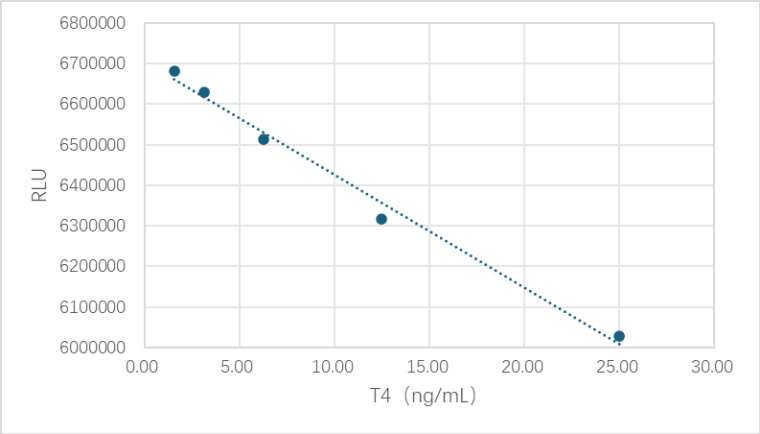
The antigen adopted in the following assays is a widely recognized clinical applied product obtained commercially.

Procedure

1. Mix 20μL serially diluted antigen or serum samples with 20μL (diluted to working conc. 50T/mL) capture reagent of T4-BSA conjugated with biotin and 20μL 0.6mg/mL streptavidin-conjugated magnetic beads. Incubate with stir at 37℃ for 30 minutes.
2. Add 50μL (diluted to working conc. 20T/mL) detection reagent of 1025101(AP). Incubate with stir at 37℃ 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 1.56-100ng/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 <1.41ng/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 1.56ng/mL.

Specificity

The assay shows no cross-reactivities when detecting antigens as follows: T3 at a tested conc. of 50ng/mL, rT3 at a tested conc. of 30ng/mL.