

Product Information

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|-----------------------------------|--|
| 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 | Monoclonal antibody produced by <i>in vitro</i> cell culture under conditions free from |
| Description | animal-derived components |
| Conjugation | Unconjugated/Biotin |
| Catalog # | 1023101/1023101(B) |
| 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 checked="" type="checkbox"/> Capture <input type="checkbox"/> Detection |
| Recommendations | Pairable with #1023201 |
| Stability | 2 years |
| Concentration | 2.0 mg/mL (+/-10%) or marked on the vial |
| Lot # | _____ |
| References | |

User Guide

Catalog # 1023
 Lot # _____

CLIA

Antigen Identification

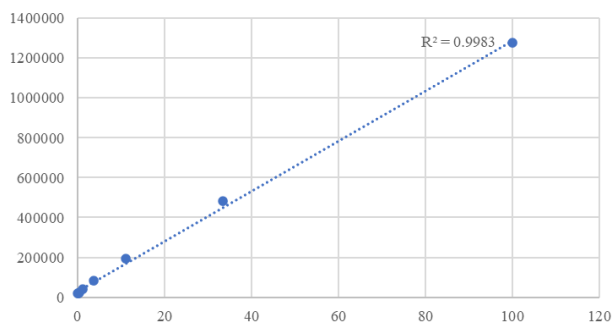
The antigen adopted in the following assays is a widely recognized clinical applied product obtained commercially.

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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