

Product Information

Name	Anti PTH monoclonal antibody
Target	parathyroid hormone, PTH
Target Species	Human
Target Description	Parathyroid hormone released by parathyroid glands plays crucial role in maintaining calcium and phosphorus homeostasis.
Host	Mouse
Product Description	Monoclonal antibody produced by <i>in vitro</i> cell culture under conditions free from animal-derived components
Conjugation	Unconjugated/Biotin
Catalog #	1028101/1028101(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: TG, 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 #1028201
Stability	2 years
Concentration	2.0 mg/mL (+/-10%) or marked on the vial
Lot #	_____
References	

User Guide

Catalog # 1028
Lot # _____

CLIA

Antigen Identification

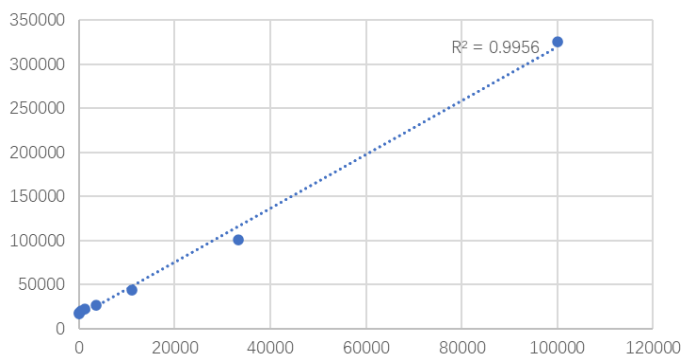
The antigen adopted in the following assays is a widely recognized clinical applied product obtained commercially.

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 1028101(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 1028201(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 137-100000pg/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 <120pg/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 137pg/mL.

Specificity

The assay shows no cross-reactivities when detecting antigens as follows: TG 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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