

# Thyroxine (T4)

Item Number: T4

## Introduction

Discover our Thyroxine (T4) test kits for accurate thyroid function analysis. Diagnose hypo/hyperthyroidism & monitor T4 levels effectively. High accuracy & reliable results guaranteed. Inquire now!

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Feature	Description
Product Name	Thyroxine (T4) Antibody
Host Species	<i>in vitro</i> cell culture
Application	ELISA
Immunogen	T4-BSA
Form/Appearance	Purified Mouse Monoclonal Antibody
Preservatives	0.1% Sodium Azide
Isotype	IgG 2b, kappa
Clonality	Monoclonal
Purity	>95%
Buffer	10 mM Phosphate Buffered Saline, pH 7.4
Specificity	T4

Condition	Details
Storage	2-8°C
Shipping	Cold Packs

Indicator	Requirement
Appearance & Volume	Kit components should be complete and intact; liquids should be free of leakage and impurities. Packaging labels should be clear, accurate, and firm; instructions and labels should meet Appendix A requirements. Volume of each component should not be less than the labeled value (refer to instructions).
Accuracy	Relative deviation within $\pm 10\%$ .
Minimum Detection Limit	$\leq 5.4$ nmol/L.
Linearity	Linear range: 5.4 nmol/L ~ 320 nmol/L. Correlation coefficient (r) $\geq 0.990$ within this range.
Repeatability	Coefficient of Variation (CV) $\leq 8\%$ .
Inter-batch Variation	Inter-batch Coefficient of Variation (CV) $\leq 15\%$ .
Specificity (vs. TT3)	With Total Thyroxine (TT3) concentration $\geq 500$ ng/mL, the measurement result should be $\leq 19.31$ nmol/L.
Specificity (vs. rT3)	With reverse Triiodothyronine (rT3) concentration $\geq 50$ ng/mL, the measurement result should be $\leq 19.31$ nmol/L.
Stability	Stored unopened at 2-8°C protected from light, appearance, volume, accuracy, minimum detection limit, linearity, repeatability, and specificity tested within one month after expiration date should meet requirements.
Calibrator Uniformity	$\leq 10\%$ .
Calibrator Accuracy	Relative deviation within $\pm 10\%$ .
Calibrator Stability	Stored unopened at 2-8°C protected from light, uniformity and accuracy tested within one month after expiration date should meet requirements.