

Thyroid Peroxidase Antibodies (TPO-Ab)

Item Number: TPO-Ab

Introduction

Discover our accurate TPO-Ab test kits for autoimmune thyroid diagnosis. High sensitivity, precision, and stability. Perfect for IVD use. Get reliable results now!

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Feature	Description
Product Name	Anti-Thyroid Peroxidase (anti-TPO) positive human plasma;
Host Species	Human
Application	IVD reagent for detection of TPO-Ab; Diagnosis of autoimmune thyroid disease; Assessing risk factor for atherosclerosis
Dosage Form/Appearance	Liquid, Yellow to orange liquid;
Source	Single Human Donor
Biological Activity	anti-TPO: > 1,000 U/mL (Immunoassay)

Condition	Description
Storage	-20 °C; 2~8°C Store in unopened state away from light
Shipping	Dry Ice
Shelf Life	N/A (for plasma); See instructions for the kit

Indicator	Specification
Accuracy	Correlation coefficient (r) ≥ 0.975; Relative deviation within ±10%
Limit of Detection	≤ 5 IU/mL
Linearity	Linear range: 5 IU/mL ~ 600 IU/mL; Correlation coefficient (r) ≥ 0.990 within the linear range
Repeatability	Coefficient of Variation (CV) ≤ 8%
Inter-batch Variation	Inter-batch Coefficient of Variation (CV) ≤ 15%
Stability	When stored at 2-8°C in the dark and unopened, the appearance, quantity, accuracy, minimum detection limit, linearity, and repeatability of the test reagent within one month after the expiry date should meet the requirements of 2.1-2.5.
Calibrator Uniformity	≤ 10%
Calibrator Accuracy	Relative deviation within ±10%
Calibrator Stability	When stored at 2-8°C in the dark and unopened, the uniformity and accuracy of the test product within 1 month after the expiry date should meet the requirements.