

Anti-h T3 10550

Product overview

Catalog number	700015
Specificity	Antibody recognizes human triiodothyronine (T3)
Description	Monoclonal antibody raised against human T3. <i>In vitro</i> cultured mouse hybridomas.
Product buffer solution	0.1 M PBS, pH 7.4, 0.9 % NaCl, 0.05 % NaN ₃ as a preservative
Shelf life and storage	60 months from manufacturing at 2–8 °C
Subclass	IgG ₁
Analyte description	T3, also known as triiodothyronine, is a thyroid hormone secreted by the thyroid gland. T3 is involved in controlling the rate of metabolic processes in the body and influencing physical development. T3 measurements are used for diagnosing thyroid disorders.

Parameters tested on each lot

Product appearance	Liquid
Product concentration	> 1.0 mg/ml
Immunoreactivity	Passed in ELISA when Anti-h T3 antibody 10550 was used as a capture antibody
IEF Profile	6.7–7.1
Purity	≥ 95 %

Kinetic parameters

Association rate constant	1.3×10^6 1/Ms
Dissociation rate constant	8.4×10^{-5} 1/s
Affinity constant	$K_A = 1.5 \times 10^{10}$ 1/M; $K_D = 6.9 \times 10^{-11}$ M (= 0.07 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	Triiodothyronine (T3) - BSA Conjugate, Medix Biochemica (Cat 581-05)

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Cross-reactivities	L-3,3',5-triiodothyronine (L-T3)	100 %
	L-thyroxine (L-T4)	0,17 %
	D-thyroxine (D-T4)	0,04 %
	3,3',5-triiodothyroacetic acid (TRIAC)	52 %
	3,5-diiodo-L-tyrosine	0,22 %
Epitope	N/D	
Pair recommendations	-	
Platforms tested	ELISA	
Antigens tested	Triiodothyronine (T3) antigen - BSA Conjugate, Medix Biochemica 581-05	
Product stability	TEMPERATURE, TIME	RESULT
	N/D	
Miscellaneous	-	
References	-	



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