

ARG83086 Reverse T3 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83086 Reverse T3 ELISA Kit is an enzyme immunoassay kit for the quantitative of Human Reverse T3 in Serum.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Not reacts withT3, T4 and T2.
Target Name	Reverse T3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	14 pg/ml
Sample Type	Serum and plasma
Standard Range	20 – 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 5.0% Inter-Assay CV: less than 8.5%
Alternate Names	Reverse triiodothyronine

Application Instructions

Assay Time	~2.5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	Reverse T3 (rT3) is a metabolically inactive form of thyroid hormone, which is generated from T4 via the type 3 5'-deiodinase enzyme. In addition to producing rT3, the type 3 5'-deiodinase enzyme is also responsible for decomposing rT3 into inactive diiodothyronine. In nonthyroidal illness states, rT3 levels are elevated because of (1) increased production of rT3 from T4 and (2) reduced clearance of rT3 to diiodothyronine. In hypothyroidism, rT3 levels are typically low due to reduced production of the precursor (i.e., T4), although in mild hypothyroidism rT3 levels may sometimes be normal or high. In contrast, rT3 levels typically remain normal in kidney dysfunction.
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