

Rat Thyroxine ELISA Kit | T4 elisa kit

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CATALOG #
AAA86755

REACTIVITY
Rat

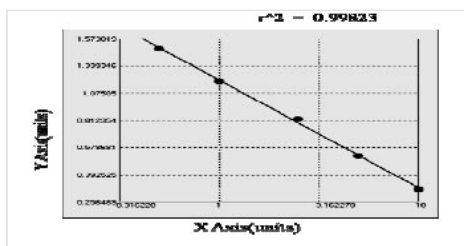
PRODUCT SYNONYMS

Thyroxine; Rat Thyroxine ELISA Kit; T4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for T4 elisa kit

Intended Uses: This T4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat T4. This ELISA kit for research use only!

Principle of the Assay: T4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-T4 antibody and an T4-HRP conjugate. The assay sample and buffer are incubated together with T4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the T4 concentration since T4 from samples and T4-HRP conjugate compete for the anti-T4 antibody binding site. Since the number of sites is limited, as more sites are occupied by T4 from the sample, fewer sites are left to bind T4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The T4 concentration in each sample is interpolated from this standard curve.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

