

## Human Neonatal Thyroxine ELISA Kit | NN T4 elisa kit

Human Neonatal Thyroxine ELISA Kit

CATALOG #  
**AAA87677**

REACTIVITY  
**Human**

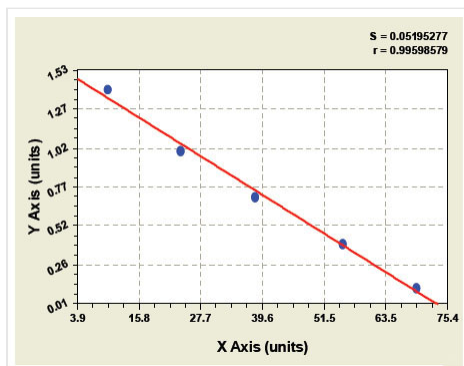
### PRODUCT SYNONYMS

Neonatal Thyroxine; Human Neonatal Thyroxine ELISA Kit; NN T4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                           |
| Assay Type              | Competitive or Sandwich                                                                                                                                                              |
| Detection Range         | 1.0-25ng/mL                                                                                                                                                                          |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                             |
| Intended Uses           | This nT4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human nT4. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                  |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for NN T4 elisa kit

**Principle of the Assay:** nT4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-nT4 antibody and an nT4-HRP conjugate. The assay sample and buffer are incubated together with nT4-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 nT4 concentration since nT4 from samples and nT4-HRP conjugate compete for the anti-nT4 antibody binding site. Since the number of sites is limited, as more sites are occupied by nT4 from the sample, fewer sites are left to bind nT4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The nT4 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.

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Online datasheet: <https://www.aaabiotech.com/nn-t4-human-elisa-kits/neonatal-thyroxine/87677>