

## Rat Transthyretin ELISA Kit | TTR elisa kit

Rat Transthyretin ELISA Kit

CATALOG #  
**AAA86034**

REACTIVITY  
**Rat**

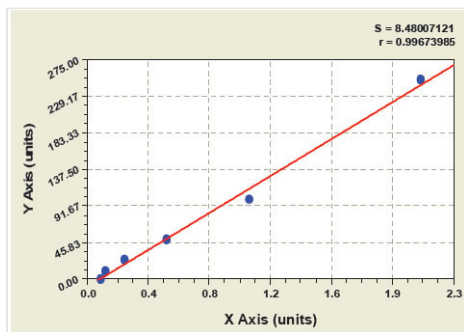
### PRODUCT SYNONYMS

Transthyretin; Rat Transthyretin ELISA Kit; TTR elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                         |
| Assay Type              | Competitive or Sandwich                                                                                                                                                            |
| Detection Range         | 10-250ng/mL                                                                                                                                                                        |
| Sensitivity             | 1.0ng/ml                                                                                                                                                                           |
| Intended Uses           | This TTR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TTR. 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 TTR elisa kit

**Principle of the Assay:** TTR ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for TTR. Standards or samples are then added to the microtiter plate wells and TTR if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of TTR present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for TTR are added to each well to "sandwich" the TTR immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain TTR and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TTR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                         |               |
|-------------------------|---------------|
| NCBI GI #               | 806708        |
| Molecular Weight        | 16,333 Da     |
| NCBI Official Full Name | transthyretin |
| UniProt Protein Name    | Transthyretin |
| UniProt Gene Name       | TTR           |
| UniProt Entry Name      | TTHY_SMIMA    |

**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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