

# Rabbit Transthyretin (TTR) ELISA Kit

Catalog No: #EK5975

Package Size: #EK5975-1 48T #EK5975-2 96T

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Rabbit Transthyretin (TTR) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rabbit ( <i>Oryctolagus cuniculus</i> )
Other Names	HsT2651; PALB; TBPA; prealbumin; amyloidosis type I thyroxine-binding prealbumin
Accession No.	P07489
Uniprot	P07489
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:3.12-200 ng/mL

Sensitivity:1.45 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**Sandwich**Test principle:**This assay employs a two-site sandwich ELISA to quantitate TTR in samples. An antibody specific for TTR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTTR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TTR is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TTR bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TTR was originally called prealbumin because it ran faster than albumins on electrophoresis gels.Prealbumin is produced by the choroid plexus, by pancreatic islet cells in the embryonic yolk sac, and by enterochromaffin cells in the gastrointestinal mucosa, but the liver is quantitatively the most important source.<sup>9</sup> Liver production is maintained until late in liver disease. Hydration status does not affect prealbumin levels. A negative acute phase reactant, the prealbumin level will transiently decrease in the presence of inflammation and in the immediate postsurgical period. Serum levels also decline in patients with conditions associated with protein malnutrition, such as malignancy, cirrhosis, protein-losing enteropathy, and zinc deficiency.

---

Note: This product is for in vitro research use only