

## Guinea Pig Thyroid stimulating hormone TSH ELISA Kit | TSH elisa kit

Guinea pig Thyroid stimulating hormone TSH ELISA Kit

CATALOG #  
**AAA83336**

REACTIVITY  
**Guinea Pig**

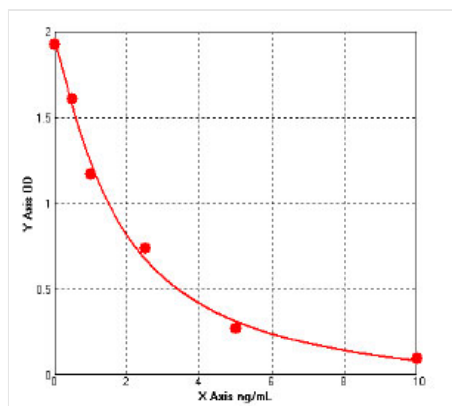
### PRODUCT SYNONYMS

Thyroid stimulating hormone TSH; Guinea pig Thyroid stimulating hormone TSH ELISA Kit; TSH elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Guinea Pig                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of TSH. No significant cross-reactivity or interference between TSH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TSH and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TSH elisa kit | <p>Intended Uses: This TSH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pigTSH. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: TSH ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TSH antibody and an TSH-HRP conjugate. The assay sample and buffer are incubated together with TSH-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 TSH concentration since TSH from samples and TSH-HRP conjugate compete for the anti-TSH antibody binding site. Since the number of sites is limited, as more sites are occupied by TSH from the sample, fewer sites are left to bind TSH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TSH concentration in each sample is interpolated from this standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                         |                                                         |
|-------------------------|---------------------------------------------------------|
| NCBI GI #               | 469236                                                  |
| Molecular Weight        | 148,227 Da                                              |
| NCBI Official Full Name | Tsh                                                     |
| UniProt Protein Name    | Temperature-sensitive hemagglutinin tsh autotransporter |
| UniProt Gene Name       | tsh                                                     |
| UniProt Entry Name      | TSH_ECOLX                                               |

**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/guinea-pig-elisa-kits/thyroid-stimulating-hormone-tsh/83336>