**Product name**
Human Thyroid Stimulating Hormone ELISA Kit (TSH)

**Detection method**
Colorimetric

**Sample type**
Serum

**Assay type**
Sandwich (quantitative)

**Sensitivity**
= 0.2 µU/ml

**Range**
0.2 µU/ml - 25 µU/ml

**Assay duration**
Multiple steps standard assay

**Species reactivity**
Reacts with: Human

**Product overview**
Abcam’s Thyroid Stimulating Hormone *in vitro* ELISA (Enzyme-Linked Immunosorbent Assay) kit is designed for the accurate quantitative measurement of Thyroid Stimulating Hormone in Human serum.

A 96-well plate has been precoated with anti-Thyroid Stimulating Hormone antibodies. Samples and standards and are added to the wells, where Thyroid Stimulating Hormone in the sample and standards binds to the precoated antibody. After incubation and washing, added Anti-Thyroid Stimulating Hormone HRP conjugate binds to the antibody-Thyroid Stimulating Hormone complex. After incubation, the wells are washed to remove unbound material and TMB substrate is then added which is catalyzed by HRP to produce blue coloration. The reaction is terminated by addition of Stop Solution which stops the color development and produces a color change from blue to yellow. The intensity of signal is directly proportional to the amount of Thyroid Stimulating Hormone in the sample and the intensity is measured at 450 nm.

*Abcam is committed to meeting high quality standards of ethical manufacturing and has decided to discontinue this product by June 2020 as it contains antibodies generated by the ascites method. Please contact our Scientific Support Team if you require further assistance.*

**Platform**
Microplate
Storage instructions

Store at +4°C. Please refer to protocols.

Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-Thyroid Stimulating Hormone Coated Microplate (12 x 8 wells)</td>
<td>1 x 96 units</td>
</tr>
<tr>
<td>Anti-Thyroid Stimulating Hormone HRP Conjugate Reagent</td>
<td>1 x 13ml</td>
</tr>
<tr>
<td>Stop Solution</td>
<td>1 x 11ml</td>
</tr>
<tr>
<td>TMB Reagent</td>
<td>1 x 11ml</td>
</tr>
<tr>
<td>TSH Standard 0 - 0 µIU/mL (Lyophilized)</td>
<td>1 vial</td>
</tr>
<tr>
<td>TSH Standard 1 - 0.1 µIU/mL (Lyophilized)</td>
<td>1 vial</td>
</tr>
<tr>
<td>TSH Standard 2 - 0.5 µIU/mL (Lyophilized)</td>
<td>1 vial</td>
</tr>
<tr>
<td>TSH Standard 3 - 2.0 µIU/mL (Lyophilized)</td>
<td>1 vial</td>
</tr>
<tr>
<td>TSH Standard 4 - 5 µIU/mL (Lyophilized)</td>
<td>1 vial</td>
</tr>
<tr>
<td>TSH Standard 5 - 10 µIU/mL (Lyophilized)</td>
<td>1 vial</td>
</tr>
</tbody>
</table>

Images

Representative standard curve using ab108660

Typical Standard Curve

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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