

## Product datasheet

### Human Anti-Tissue Transglutaminase Antibody IgG ELISA Kit

Catalog # EK00836E

#### Overview

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<b>Product name</b>	Human Anti-Tissue Transglutaminase Antibody IgG (tTG-IgG) ELISA Kit
<b>Size</b>	96 wells
<b>Species Reactivity</b>	Human
<b>Assay Type</b>	Sandwich
<b>Sample Type</b>	Serum, Plasma, Other human body fluids & secretions
<b>Assay Range</b>	50pg/mL – 180pg/mL
<b>Kit Components</b>	Assay Plate, Standard, Standard diluent, Sample diluent, Enzyme conjugate, Detection reagent A & B, Wash buffer, Stop solution, Protocol, Quality control certificate
<b>Storage</b>	Store at 2-8 °C
<b>Product Note</b>	<p>This ELISA Kit uses the double-antigen sandwich method to determine the level of human anti-tissue transglutaminase antibody IgG (tTG-IgG) in the specimen. The ELISA analytical biochemical technique of the kit is based on tTG-antigen-tTG-IgG antibody interactions (immunosorbency) and an HRP colorimetric detection system to detect tTG-IgG targets in samples. tTG-IgG are added to the antigen-coated microwells, and then combine with the HRP-labeled antigen to form an antigen-antibody -Enzyme-labeled antigen complex, after thorough washing, add substrate TMB to develop color. TMB is converted into blue under the catalysis of HRP enzyme, and into the final yellow under the action of acid. The color intensity is positively correlated with tTG-IgG in the sample. Absorbance (OD value) is measured at a wavelength of 450nm with a microplate reader, and the concentration of human tTG-IgG in the sample can be calculated from the standard curve.</p>



## Typical Data

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Results of a typical standard curve are provided **with the product** for **demonstration only** and should not be used to obtain test results.

A standard curve must be run for each set of samples assayed.

## IMPORTANCE

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After receiving the kit, please check the intactness of outer packaging, check whether the reagent bottles are broken, leaking or the amount of liquid is significantly reduced, etc. If the diluent is polluted such as flocculent bacterial colonies; the substrate is not transparent and the microtiter plate is leaking, etc; please contact the distributor. In rare cases, crystals may appear in the substrate. Normally the crystals will dissolve at room temperature, this will not affect the testing results.

