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Datasheet for ABIN4884771  
**TGM4 ELISA Kit**

### Overview

Quantity: 96 tests

Target: TGM4

Reactivity: Human

Method Type: Sandwich ELISA

Application: ELISA

### Product Details

Purpose: Custom Human Transglutaminase 4 (TGM4) ELISA Kit.

Sample Type: Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Lysate

Analytical Method: Quantitative

Detection Method: Colorimetric

Characteristics:

- Strip plates and additional reagents allow for use in multiple experiments
- Quantitative protein detection
- Establishes normal range
- The best products for confirmation of antibody array data

Components:

- Pre-Coated 96-well Strip Microplate
- Wash Buffer
- Stop Solution
- Assay Diluent(s)
- Lyophilized Standard
- Biotinylated Detection Antibody
- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

## Product Details

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Material not included:	<ul style="list-style-type: none"><li>• Distilled or deionized water</li><li>• Precision pipettes to deliver 2 <math>\mu</math>L to 1 <math>\mu</math>L volumes</li><li>• Adjustable 1-25 <math>\mu</math>L pipettes for reagent preparation</li><li>• 100 <math>\mu</math>L and 1 liter graduated cylinders</li><li>• Tubes to prepare standard and sample dilutions</li><li>• Absorbent paper</li><li>• Microplate reader capable of measuring absorbance at 450nm</li><li>• Log-log graph paper or computer and software for ELISA data analysis</li></ul>
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## Target Details

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Target:	TGM4
Alternative Name:	Transglutaminase 4 ( <a href="#">TGM4 Products</a> )
Gene ID:	7047
UniProt:	<a href="#">P49221</a>

## Application Details

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Sample Volume:	100 $\mu$ L
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none"><li>1. Prepare all reagents, samples and standards as instructed in the manual.</li><li>2. Add 100 <math>\mu</math>L of standard or sample to each well.</li><li>3. Incubate 2.5 h at RT or O/N at 4 <math>^{\circ}</math>C.</li><li>4. Add 100 <math>\mu</math>L of prepared biotin antibody to each well.</li><li>5. Incubate 1 h at RT.</li><li>6. Add 100 <math>\mu</math>L of prepared Streptavidin solution to each well.</li><li>7. Incubate 45 min at RT.</li><li>8. Add 100 <math>\mu</math>L of TMB One-Step Substrate Reagent to each well.</li><li>9. Incubate 30 min at RT.</li><li>10. Add 50 <math>\mu</math>L of Stop Solution to each well.</li><li>11. Read at 450 nm immediately.</li></ol>

Restrictions:	For Research Use only
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## Handling

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Storage:	-20 $^{\circ}$ C
Storage Comment:	The entire kit may be stored at -20 $^{\circ}$ C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4 $^{\circ}$ C for up to 6 months. For extended storage, it is

## Handling

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recommended to store at -80°C.

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Expiry Date: 6 months