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Datasheet for ABIN4882963  
**GAD ELISA Kit**

### Overview

Quantity:	96 tests
Target:	GAD (GAD1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

### Product Details

Purpose:	Custom Human GAD1 ELISA Kit.
Sample Type:	Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Lysate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<ul style="list-style-type: none"><li>• Strip plates and additional reagents allow for use in multiple experiments</li><li>• Quantitative protein detection</li><li>• Establishes normal range</li><li>• The best products for confirmation of antibody array data</li></ul>
Components:	<ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li><li>• Wash Buffer</li><li>• Stop Solution</li><li>• Assay Diluent(s)</li><li>• Lyophilized Standard</li><li>• Biotinylated Detection Antibody</li><li>• Streptavidin-Conjugated HRP</li><li>• TMB One-Step Substrate</li></ul>

## 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:	GAD (GAD1)
Alternative Name:	GAD1 ( <a href="#">GAD1 Products</a> )
Gene ID:	2571
UniProt:	<a href="#">Q99259</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 °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

## Handling

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Storage:	-20 °C
Storage Comment:	The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°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