



## Human Anti-GAD (Anti-Glutamic Acid Decarboxylase Antibody) ELISA kit

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This kit applies competitive inhibition ELISA method for the quantitative detection of Anti-GAD (Anti-Glutamic Acid Decarboxylase Antibody) in human samples. The microtiter plate provided in this kit has been pre-coated with Human Anti-GAD protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Anti-GAD. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$ 10nm. The concentration of Human Anti-GAD in the samples is then determined by comparing the OD of the samples to the standard curve.

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| Catalog No.          | 3017911                                |
| Size                 | 96-Wells                               |
| Product Category     | ELISA (Quantitative)                   |
| Reactivity           | Human                                  |
| Sample               | Serum; Plasma; Other Biological Fluids |
| Assay Method         | Competitive Inhibition ELISA           |
| Assay Duration       | 2.5 hours                              |
| Sensitivity          | 0.59 ng/mL                             |
| Standard Curve Range | 1.57-100 ng/mL                         |
| Storage/Stability    | -20°C/1 year; 4°C/6 months             |