

Human Glutamate decarboxylase 2 ELISA Kit | GAD2 elisa kit

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CATALOG #
AAA98305

REACTIVITY
Human

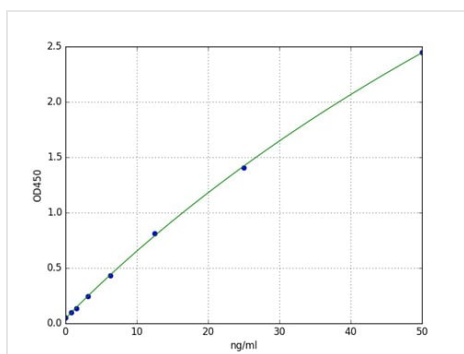
PRODUCT SYNONYMS

Glutamate decarboxylase 2; Human Glutamate decarboxylase 2 ELISA Kit; GAD2/GAD65/GAD-65/glutamate decarboxylase 2/Glutamate decarboxylase 65 kDa isoform/Glutamate decarboxylase-2 (pancreas)/; GAD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	585
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human GAD2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.006	0.108	0.147	0.211	0.357	0.630	1.157	1.945

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAD2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human GAD2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human GAD2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human GAD2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human GAD2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	197276620
NCBI GeneID	2572
NCBI Accession #	NP_001127838.1
NCBI GenBank Nucleotide #	NM_001134366.1
Molecular Weight	65,411 Da
NCBI Official Full Name	glutamate decarboxylase 2
NCBI Official Synonym Full Names	glutamate decarboxylase 2
NCBI Official Symbol	GAD2
NCBI Official Synonym Symbols	GAD65
NCBI Protein Information	glutamate decarboxylase 2
UniProt Protein Name	Glutamate decarboxylase 2
UniProt Gene Name	GAD2
UniProt Synonym Gene Names	GAD65; GAD-65
UniProt Entry Name	DCE2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gad2-human-elisa-kits/glutamate-decarboxylase-2/98305>