

Human GAD1 (Glutamate Decarboxylase 1) CLIA Kit | GAD1 clia kit

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CATALOG #
AAA170831

REACTIVITY
Human

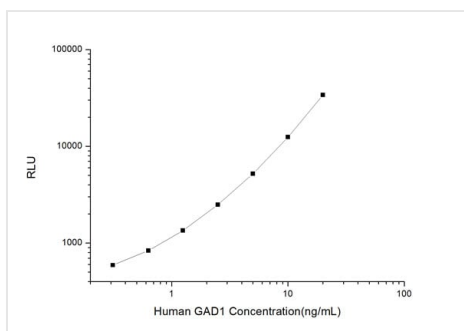
PRODUCT SYNONYMS

GAD1 (Glutamate Decarboxylase 1); Human GAD1 (Glutamate Decarboxylase 1) CLIA Kit; GAD1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant GAD1. No significant cross-reactivity or interference between GAD1 and analogues was observed.
Sequence Length	502
Assay Type	Sandwich
Detection Range	0.313-20ng/mL
Sensitivity	Min: 0.188ng/mL; Max: 20ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAD1 clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of GAD1 concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to GAD1. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for GAD1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain GAD1, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of GAD1. You can calculate the concentration of GAD1 in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15237949
NCBI GeneID	831599
NCBI Accession #	NP_197235.1
NCBI GenBank Nucleotide #	NM_121739.3
Molecular Weight	57,066 Da
NCBI Official Full Name	glutamate decarboxylase 1
NCBI Official Symbol	GAD
NCBI Official Synonym Symbols	GAD1; glutamate decarboxylase; GLUTAMATE DECARBOXYLASE; GLUTAMATE DECARBOXYLASE 1; MKP11.30; MKP11_30
NCBI Protein Information	glutamate decarboxylase 1
UniProt Protein Name	Glutamate decarboxylase 1
UniProt Gene Name	GAD1
UniProt Synonym Gene Names	GAD; GDH1; GAD 1
UniProt Entry Name	DCE1_ARATH

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/human-clia-kits/gad1-glutamate-decarboxylase-1/170831>