

Bovine Anti-Glutamic Acid Decarboxylase Antibodies ELISA Kit | GAD elisa kit

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CATALOG #
AAA89760

REACTIVITY
Bovine

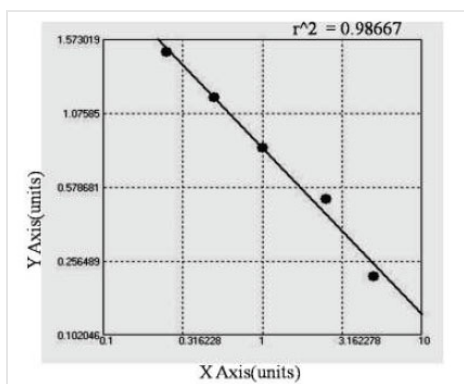
PRODUCT SYNONYMS

Anti-Glutamic Acid Decarboxylase Antibodies; Bovine Anti-Glutamic Acid Decarboxylase Antibodies ELISA Kit; GAD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL
Intended Uses	This Anti-GAD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine Anti-GAD. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAD elisa kit

Principle of the Assay: Anti-GAD ELISA kit applies the competitive enzyme immunoassay technique utilizing Anti-GAD antigen and an Anti-GAD-HRP conjugate. The assay sample and buffer are incubated together with Anti-GAD-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Anti-GAD concentration since Anti-GAD from samples and Anti-GAD-HRP conjugate compete for the Anti-GAD antigen binding site. Since the number of sites is limited, as more sites are occupied by Anti-GAD from the sample, fewer sites are left to bind Anti-GAD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Anti-GAD concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1247492
NCBI GeneID	2571
Molecular Weight	47,440 Da
NCBI Official Full Name	GAD
NCBI Official Synonym Full Names	glutamate decarboxylase 1 (brain, 67kDa)
NCBI Official Symbol	GAD1
NCBI Official Synonym Symbols	GAD; SCP; CPSQ1
NCBI Protein Information	glutamate decarboxylase 1; GAD-67; 67 kDa glutamic acid decarboxylase; glutamate decarboxylase 67 kDa isoform
UniProt Protein Name	Glutamate decarboxylase 1
UniProt Gene Name	GAD1
UniProt Synonym Gene Names	GAD; GAD67; GAD-67
UniProt Entry Name	DCE1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/gad-bovine-ovine-elisa-kits/anti-glutamic-acid-decarboxylase-antibodies/89760>