

Rabbit Glutamate Dehydrogenase 1 ELISA Kit | GDH elisa kit

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CATALOG #
AAA87353

REACTIVITY
Rabbit

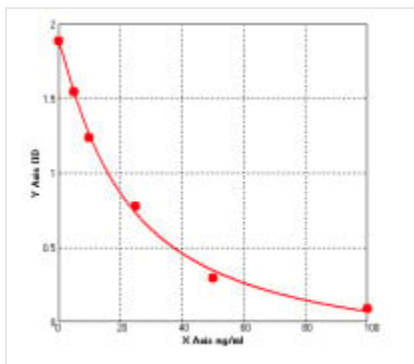
PRODUCT SYNONYMS

Glutamate Dehydrogenase 1; Rabbit Glutamate Dehydrogenase 1 ELISA Kit; GDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of GLUD1. No significant cross-reactivity or interference between GLUD1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GLUD1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDH elisa kit	Principle of the Assay: GLUD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GLUD1 antibody and an GLUD1-HRP conjugate. The assay sample and buffer are incubated together with GLUD1-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 GLUD1 concentration since GLUD1 from samples and GLUD1-HRP conjugate compete for the anti-GLUD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GLUD1 from the sample, fewer sites are left to bind GLUD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLUD1 concentration in each sample is interpolated from this standard curve. Intended Uses: This GLUD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit GLUD1. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31707
NCBI GeneID	2746
UniProt Accession #	P00367; Q5TBU3
Molecular Weight	61,398 Da
NCBI Official Full Name	GDH
NCBI Official Synonym Full Names	glutamate dehydrogenase 1
NCBI Official Symbol	GLUD1
NCBI Official Synonym Symbols	GDH; GDH1; GLUD
NCBI Protein Information	glutamate dehydrogenase 1, mitochondrial; GDH 1; glutamate dehydrogenase (NAD(P)+)
UniProt Protein Name	Glutamate dehydrogenase 1, mitochondrial
UniProt Gene Name	GLUD1
UniProt Synonym Gene Names	GLUD; GDH 1
UniProt Entry Name	DHE3_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://www.aaabiotech.com/gdh-rabbit-elisa-kits/glutamate-dehydrogenase-1/87353>