

Rat Glyceraldehyde 3 Phosphate Dehydrogenase ELISA Kit | GAPDH elisa kit

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CATALOG #
AAA16397

REACTIVITY
Rat

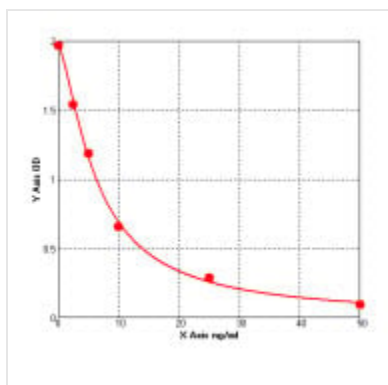
PRODUCT SYNONYMS

Glyceraldehyde 3 Phosphate Dehydrogenase; Rat Glyceraldehyde 3 Phosphate Dehydrogenase ELISA Kit; GAPDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GAPDH. No significant cross-reactivity or interference between GAPDH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GAPDH 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	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	122065190
NCBI GeneID	24383
Molecular Weight	35,828 Da
NCBI Official Full Name	Glyceraldehyde-3-phosphate dehydrogenase
NCBI Official Synonym Full Names	glyceraldehyde-3-phosphate dehydrogenase
NCBI Official Symbol	Gapdh
NCBI Official Synonym Symbols	Gapd; BARS-38
NCBI Protein Information	glyceraldehyde-3-phosphate dehydrogenase; peptidyl-cysteine S-nitrosylase GAPDH; 38 kDa BFA-dependent ADP-ribosylation substrate
UniProt Protein Name	Glyceraldehyde-3-phosphate dehydrogenase
UniProt Gene Name	Gapdh
UniProt Synonym Gene Names	Gapd; GAPDH
UniProt Entry Name	G3P_RAT

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/gapdh-rat-elisa-kits/glyceraldehyde-3-phosphate-dehydrogenase/16397>