

Mouse Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) ELISA Kit | GAPDH elisa kit

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CATALOG #
AAA65034

REACTIVITY
Mouse

PRODUCT SYNONYMS

Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH); Mouse Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) ELISA Kit; G3PD; GAPD; Peptidyl-cysteine S-nitrosylase GAPDH; GAPDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Sequence Length	359
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GAPDH were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GAPDH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for GAPDH elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GAPDH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GAPDH. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GAPDH, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of GAPDH in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GAPDH in mouse tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	576080555
NCBI GeneID	14433
NCBI Accession #	NP_001276655.1

NCBI GenBank Nucleotide #	NM_001289726.1
UniProt Accession #	P16858 ; Q0QEU0 ; Q3THM2 ; Q3TUI2 ; Q3UMT2 ; Q4V783 ; Q569X2 ; Q569X5 ; Q5U410 ; A6H6A8
Molecular Weight	35,810 Da
NCBI Official Full Name	glyceraldehyde-3-phosphate dehydrogenase isoform 1
NCBI Official Synonym Full Names	glyceraldehyde-3-phosphate dehydrogenase
NCBI Official Symbol	Gapdh
NCBI Official Synonym Symbols	Gapd
NCBI Protein Information	glyceraldehyde-3-phosphate dehydrogenase
UniProt Protein Name	Glyceraldehyde-3-phosphate dehydrogenase
UniProt Gene Name	Gapdh
UniProt Synonym Gene Names	Gapd; GAPDH

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/mouse-elisa-kits/glyceraldehyde-3-phosphate-dehydrogenase-gapdh/65034>