

Mouse ATP synthase subunit delta, mitochondrial (ATP5D) ELISA Kit | ATP5D elisa kit

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CATALOG #
AAA245428

REACTIVITY
Mouse

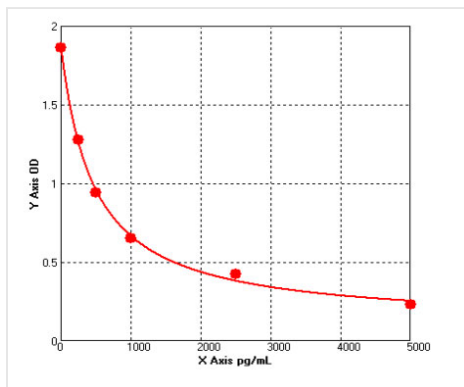
PRODUCT SYNONYMS

ATP synthase subunit delta; mitochondrial (ATP5D); Mouse ATP synthase subunit delta; mitochondrial (ATP5D) ELISA Kit; ATP5D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP5D. No significant cross-reactivity or interference between ATP5D and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATP5D 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 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP5D elisa kit	Principle of the Assay: ATP5D ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATP5D antibody and an ATP5D-HRP conjugate. The assay sample and buffer are incubated together with ATP5D-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 ATP5D concentration since ATP5D from samples and ATP5D-HRP conjugate compete for the anti-ATP5D antibody binding site. Since the number of sites is limited, as more sites are occupied by ATP5D from the sample, fewer sites are left to bind ATP5D-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATP5D concentration in each sample is interpolated from this standard curve. Intended Uses: This ATP5D ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ATP5D. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ATP5D elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	50345991
NCBI GeneID	513
NCBI Accession #	NP_001001975.1
NCBI GenBank Nucleotide #	NM_001001975.1
Molecular Weight	17,490 Da
NCBI Official Full Name	ATP synthase subunit delta, mitochondrial
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit
NCBI Official Symbol	ATP5D
NCBI Protein Information	ATP synthase subunit delta, mitochondrial; F-ATPase delta subunit; mitochondrial ATP synthase, delta subunit; mitochondrial ATP synthase complex delta-subunit precursor
UniProt Protein Name	ATP synthase subunit delta, mitochondrial
UniProt Gene Name	ATP5D
UniProt Entry Name	ATPD_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/mouse-elisa-kits/atp-synthase-subunit-delta-mitochondrial-atp5d/245428>