

Mouse ATPase inhibitor, mitochondrial (ATPIF1) ELISA Kit | ATPIF1 elisa kit

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CATALOG #
AAA27290

REACTIVITY
Mouse

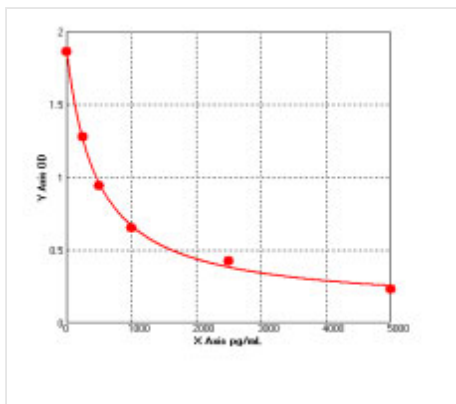
PRODUCT SYNONYMS

ATPase inhibitor; mitochondrial (ATPIF1); Mouse ATPase inhibitor; mitochondrial (ATPIF1) ELISA Kit; ATPIF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ATPIF. No significant cross-reactivity or interference between ATPIF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATPIF 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 ATPIF1 elisa kit	Principle of the Assay: ATPIF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATPIF antibody and an ATPIF-HRP conjugate. The assay sample and buffer are incubated together with ATPIF-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 ATPIF concentration since ATPIF from samples and ATPIF-HRP conjugate compete for the anti-ATPIF antibody binding site. Since the number of sites is limited, as more sites are occupied by ATPIF from the sample, fewer sites are left to bind ATPIF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATPIF concentration in each sample is interpolated from this standard curve. Intended Uses: This ATPIF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ATPIF. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30260192
NCBI GeneID	93974
NCBI Accession #	NP_835498.1
NCBI GenBank Nucleotide #	NM_178191.2
Molecular Weight	6,592 Da
NCBI Official Full Name	ATPase inhibitor, mitochondrial isoform 3
NCBI Official Synonym Full Names	ATPase inhibitory factor 1
NCBI Official Symbol	ATPIF1
NCBI Official Synonym Symbols	IP; ATPi; ATPIP
NCBI Protein Information	ATPase inhibitor, mitochondrial; IF1; ATPase inhibitor protein; inhibitor of F(1)F(o)-ATPase; ATP synthase inhibitor protein
UniProt Protein Name	ATPase inhibitor, mitochondrial
UniProt Gene Name	ATPIF1
UniProt Synonym Gene Names	ATPI; IF(1); IF1
UniProt Entry Name	ATIF1_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.