

Mouse ATP synthase subunit O, mitochondrial (ATP5O) ELISA Kit | ATP5O elisa kit

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CATALOG #
AAA246841

REACTIVITY
Mouse

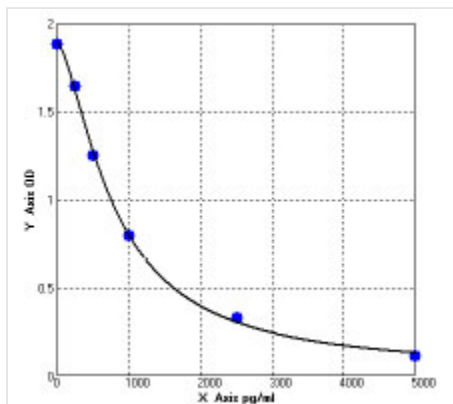
PRODUCT SYNONYMS

ATP synthase subunit O; mitochondrial (ATP5O); Mouse ATP synthase subunit O; mitochondrial (ATP5O) ELISA Kit; ATP5O elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP5O. No significant cross-reactivity or interference between ATP5O and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATP5O and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 ATP5O elisa kit	Intended Uses: This ATP5O ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ATP5O. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ATP5O ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ATP5O antibody and an ATP5O-HRP conjugate. The assay sample and buffer are incubated together with ATP5O-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 ATP5O concentration since ATP5O from samples and ATP5O-HRP conjugate compete for the anti-ATP5O antibody binding site. Since the number of sites is limited, as more sites are occupied by ATP5O from the sample, fewer sites are left to bind ATP5O-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATP5O concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ATP5O elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502303
NCBI GeneID	539
NCBI Accession #	NP_001688.1
NCBI GenBank Nucleotide #	NM_001697.2
Molecular Weight	23,277 Da
NCBI Official Full Name	ATP synthase subunit O, mitochondrial
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit
NCBI Official Symbol	ATP5O
NCBI Official Synonym Symbols	ATPO; OSCP
NCBI Protein Information	ATP synthase subunit O, mitochondrial; human ATP synthase OSCP subunit; oligomycin sensitivity conferral protein; oligomycin sensitivity conferring protein
UniProt Protein Name	ATP synthase subunit O, mitochondrial
UniProt Gene Name	ATP5O
UniProt Synonym Gene Names	ATPO; OSCP
UniProt Entry Name	ATPO_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-o-mitochondrial-atp5o/246841>