

Rat ATP synthase subunit b, mitochondrial (ATP5F1) ELISA Kit

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CATALOG #
AAA245124

REACTIVITY
Rat

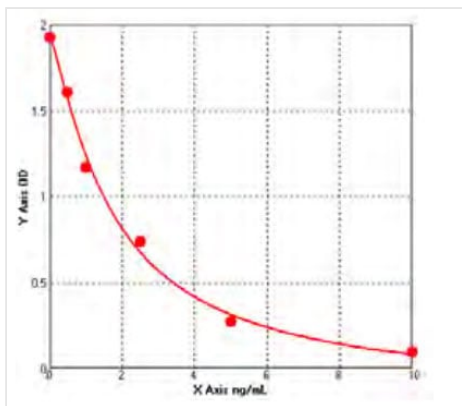
PRODUCT SYNONYMS

ATP synthase subunit b; mitochondrial (ATP5F1); Rat ATP synthase subunit b; mitochondrial (ATP5F1) ELISA Kit; mitochondrial (ATP5F1) elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP5F1. No significant cross-reactivity or interference between ATP5F1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATP5F1 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 ATP synthase subunit b, mitochondrial (ATP5F1) elisa kit	Principle of the Assay: ATP5F1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATP5F1 antibody and an ATP5F1-HRP conjugate. The assay sample and buffer are incubated together with ATP5F1-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 ATP5F1 concentration since ATP5F1 from samples and ATP5F1-HRP conjugate compete for the anti-ATP5F1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATP5F1 from the sample, fewer sites are left to bind ATP5F1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATP5F1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ATP5F1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ATP5F1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ATP synthase subunit b, mitochondrial (ATP5F1) elisa kit	Signal Transduction

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/rat-elisa-kits/atp-synthase-subunit-b-mitochondrial-atp5f1/245124>