

Human Adenosine Monophosphate Activated Protein ELISA Kit | AMPK elisa kit

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CATALOG #
AAA84381

REACTIVITY
Human

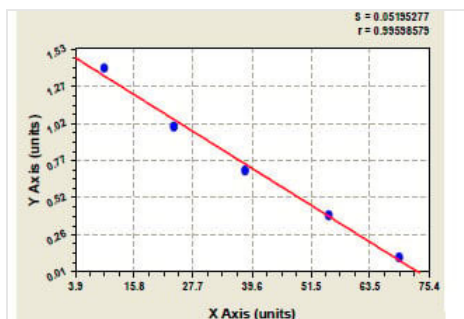
PRODUCT SYNONYMS

Adenosine Monophosphate Activated Protein; Human Adenosine Monophosphate Activated Protein ELISA Kit; AMPK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AMPK. No significant cross-reactivity or interference between AMPK and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AMPK 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	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 AMPK elisa kit	Intended Uses: This AMPK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AMPK. This ELISA kit for research use only! Principle of the Assay: AMPK ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-AMPK antibody and an AMPK-HRP conjugate. The assay sample and buffer are incubated together with AMPK-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 AMPK concentration since AMPK from samples and AMPK-HRP conjugate compete for the anti-AMPK antibody binding site. Since the number of sites is limited, as more sites are occupied by AMPK from the sample, fewer sites are left to bind AMPK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AMPK concentration in each sample is interpolated from this standard curve.
Product Categories/Family for AMPK 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://stage.aaabiotech.com/ampk-human-elisa-kits/adenosine-monophosphate-activated-protein/84381>