

Rat ATP (Adenosine Triphosphate) ELISA Kit | ATP elisa kit

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CATALOG #
AAA277023

REACTIVITY
Rat

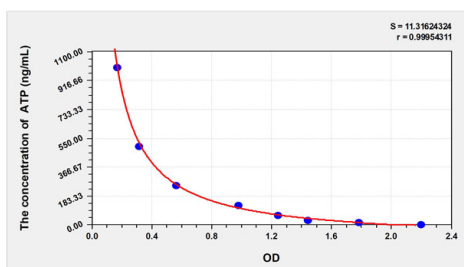
PRODUCT SYNONYMS

ATP (Adenosine Triphosphate); Rat ATP (Adenosine Triphosphate) ELISA Kit; Adenosine-5'-Triphosphate; ATP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat ATP. No significant cross-reactivity or interference between Rat ATP and analogues was observed.
Assay Type	Competitive
Detection Range	15.63-1000 ng/mL
Sensitivity	5.27 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Adenosine Triphosphate(ATP) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Adenosine Triphosphate(ATP). Next,Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Adenosine Triphosphate(ATP) in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for ATP elisa kit

[Nutrition metabolism](#)

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/rat-elisa-kits/atp-adenosine-triphosphate/277023>