

Human ADP dependent glucokinase (ADPGK) ELISA Kit | ADPGK elisa kit

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CATALOG #
AAA245533

REACTIVITY
Human

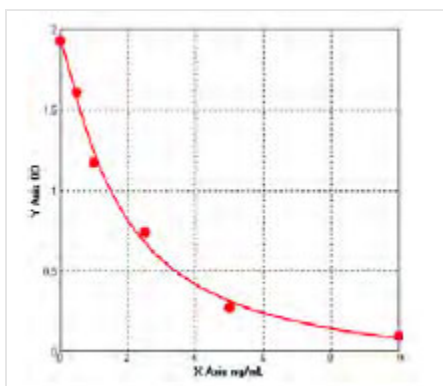
PRODUCT SYNONYMS

ADP dependent glucokinase (ADPGK); Human ADP dependent glucokinase (ADPGK) ELISA Kit; ADPGK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADPGK elisa kit

Intended Uses: This ADP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ADP. This ELISA kit for research use only!

Principle of the Assay: ADP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ADP antibody and an ADP-HRP conjugate. The assay sample and buffer are incubated together with ADP-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 ADP concentration since ADP from samples and ADP-HRP conjugate compete for the anti-ADP antibody binding site. Since the number of sites is limited, as more sites are occupied by ADP from the sample, fewer sites are left to bind ADP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62899887
NCBI GeneID	83440
Molecular Weight	8,252 Da
NCBI Official Full Name	ADP-dependent glucokinase
NCBI Official Synonym Full Names	ADP-dependent glucokinase
NCBI Official Symbol	ADPGK
NCBI Official Synonym Symbols	ADP-GK; 2610017G09Rik
NCBI Protein Information	ADP-dependent glucokinase; rbBP-35; ATP-dependent glucokinase
UniProt Protein Name	ADP-dependent glucokinase
UniProt Gene Name	ADPGK
UniProt Synonym Gene Names	PSEC0260; ADP-GK; ADPGK
UniProt Entry Name	ADPGK_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://stage.aaabiotech.com/human-elisa-kits/adp-dependent-glucokinase-adpgk/245533>