

Adenosine Diphosphate (ADP) Assay Kit | ADP assay kit

Adenosine Diphosphate (ADP) Fluorometric Assay Kit

CATALOG #
AAA179630

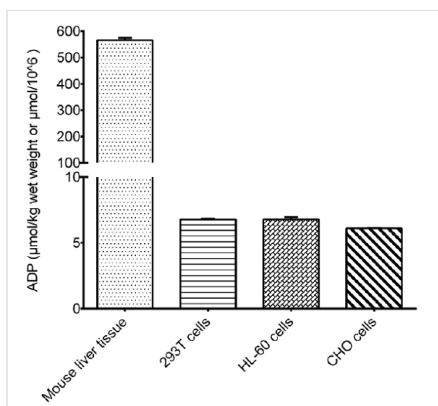
PRODUCT SYNONYMS

Adenosine Diphosphate (ADP); Adenosine Diphosphate (ADP) Fluorometric Assay Kit; ADP assay kit

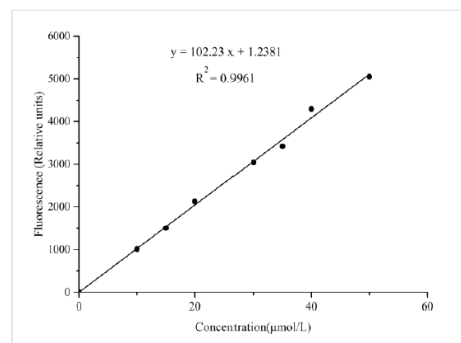
PRODUCT SPECIFICATIONS

Assay Type	Quantitative
Samples	serum, plasma, animal tissue, cell
Detection Range	2.8-50 $\mu\text{mol/L}$
Sensitivity	2.8 $\mu\text{mol/L}$
Detection Type	Fluorescence method
Detection Instrument	Fluorescence Microplate Reader
Precision	Inter CV: 4.4-9.6 Intra CV: 4.0-5.0
Research Area	Glycolysis and Lipid Metabolism, Metabolic Diseases
Test Principle	Adenosine diphosphate (ADP) is a nucleoside that plays a key role in energy transfer reactions. In organisms, ADP is usually the product of Adenosine triphosphate (ATP) which hydrolysis after the loss of a phosphate group, that is breaking a high-energy phosphate bond and releasing energy. ADP exists in high-density particles in platelet cells and is released when platelets undergo coagulation reaction. ADP affects the shape and biological behavior of platelets through ADP receptors on platelets, and further accelerates the process of platelet coagulation. The detection principle of this kit is that ADP and the substrate are catalyzed by enzyme reagents to make the chromogenic agent produce fluorescence. The fluorescence microplate reader was used to detect the excitation wavelength of 535 nm and the emission wavelength of 587nm, and the ADP content in the sample was calculated according to the standard curve.
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light. Shipping: Ice bag

IMAGES



Application Data



Application Data

Application Data

ADDITIONAL INFORMATION

Product Categories/Family for ADP assay kit	Cell Metabolism Assays; Glycolysis and Lipid Metabolism; Metabolic Diseases
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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/assay-kits/adenosine-diphosphate-adp/179630>