

Human Adenosine Monophosphate Deaminase 2 (AMPD2) ELISA Kit | AMPD2 elisa kit

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CATALOG #
AAA149162

REACTIVITY
Human

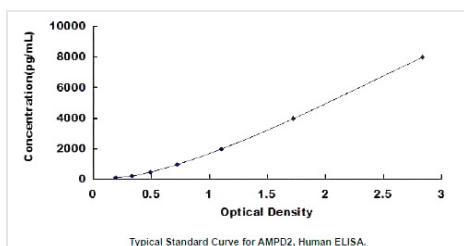
PRODUCT SYNONYMS

Adenosine Monophosphate Deaminase 2 (AMPD2); Human Adenosine Monophosphate Deaminase 2 (AMPD2) ELISA Kit; AMPD Isoform L; AMPD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ALT. No significant cross-reactivity or interference between ALT and analogues was observed.
Sequence Length	704
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates and other biological fluids
Detection Range	125-8,000pg/mL
Sensitivity	55pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ALT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ALT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMPD2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ALT in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ALT. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ALT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ALT, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 ALT in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for AMPD2 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	1307738069
NCBI GeneID	102096385
Molecular Weight	81,536 Da
NCBI Official Full Name	adenosine monophosphate deaminase 2
NCBI Official Symbol	AMPD2
NCBI Protein Information	AMP deaminase 2
UniProt Protein Name	AMP deaminase
UniProt Gene Name	AMPD2

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/adenosine-monophosphate-deaminase-2-ampd2/149162>