

Human AMP deaminase 3 (AMPD3) ELISA Kit | AMPD3 elisa kit

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CATALOG #
AAA245186

REACTIVITY
Human

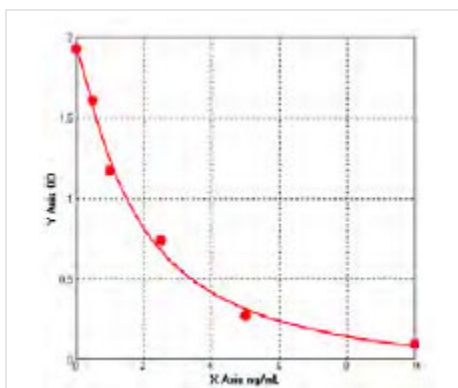
PRODUCT SYNONYMS

AMP deaminase 3 (AMPD3); Human AMP deaminase 3 (AMPD3) ELISA Kit; AMPD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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 AMPD3 elisa kit

Intended Uses: This AMPD3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AMPD3. This ELISA kit for research use only!

Principle of the Assay: AMPD3 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-AMPD3 antibody and an AMPD3-HRP conjugate. The assay sample and buffer are incubated together with AMPD3-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 AMPD3 concentration since AMPD3 from samples and AMPD3-HRP conjugate compete for the anti-AMPD3 antibody binding site. Since the number of sites is limited, as more sites are occupied by AMPD3 from the sample, fewer sites are left to bind AMPD3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AMPD3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	70906428
NCBI GeneID	272
NCBI Accession #	NP_001020561.1
NCBI GenBank Nucleotide #	NM_001025390.1
Molecular Weight	71,222 Da
NCBI Official Full Name	AMP deaminase 3 isoform 1C
NCBI Official Synonym Full Names	adenosine monophosphate deaminase 3
NCBI Official Symbol	AMPD3
NCBI Protein Information	AMP deaminase 3; AMP aminohydrolase; myoadenylate deaminase; erythrocyte AMP deaminase; erythrocyte type AMP deaminase; erythrocyte-specific AMP deaminase; adenosine monophosphate deaminase (isoform E)
UniProt Protein Name	AMP deaminase 3
UniProt Gene Name	AMPD3
UniProt Entry Name	AMPD3_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/amp-deaminase-3-ampd3/245186>