

Human AMP deaminase 1 (AMPD1) ELISA Kit | AMPD1 elisa kit

Human AMP deaminase 1 (AMPD1) ELISA Kit

CATALOG #
AAA246976

REACTIVITY
Human

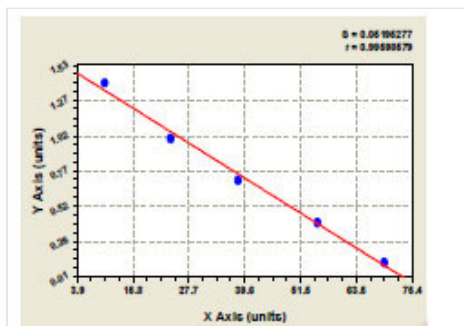
PRODUCT SYNONYMS

AMP deaminase 1 (AMPD1); Human AMP deaminase 1 (AMPD1) ELISA Kit; AMPD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMPD1 elisa kit

Intended Uses: This AMPD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AMPD1.

Principle of the Assay: AMPD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-AMPD1 antibody and an AMPD1-HRP conjugate. The assay sample and buffer are incubated together with AMPD1-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 AMPD1 concentration since AMPD1 from samples and AMPD1-HRP conjugate compete for the anti-AMPD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by AMPD1 from the sample, fewer sites are left to bind AMPD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AMPD1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	289547500
NCBI GeneID	270
NCBI Accession #	NP_000027.2
NCBI GenBank Nucleotide #	NM_000036.2
Molecular Weight	89,763 Da
NCBI Official Full Name	AMP deaminase 1 isoform 1
NCBI Official Synonym Full Names	adenosine monophosphate deaminase 1
NCBI Official Symbol	AMPD1
NCBI Official Synonym Symbols	MAD; MADA; MMDD
NCBI Protein Information	AMP deaminase 1; AMPD; skeletal muscle AMPD; myoadenylate deaminase; adenosine monophosphate deaminase-1 (muscle); adenosine monophosphate deaminase 1 (isoform M)
UniProt Protein Name	AMP deaminase 1
UniProt Gene Name	AMPD1
UniProt Entry Name	AMPD1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/amp-deaminase-1-ampd1/246976>