

Human Probable Arylformamidase (AFMID) ELISA Kit | AFMID elisa kit

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CATALOG #
AAA331142

REACTIVITY
Human

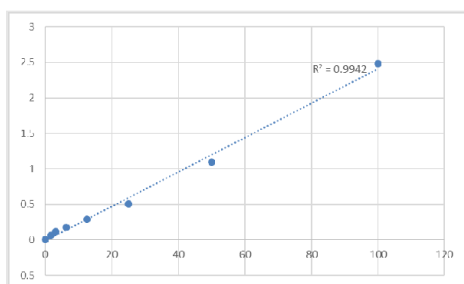
PRODUCT SYNONYMS

Probable Arylformamidase (AFMID); Human Probable Arylformamidase (AFMID) ELISA Kit; AFMID; DKFZp686F03259; KF; MGC167063; AFMID elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Probable arylformamidase (AFMID) ELISA Kit has high sensitivity and excellent specificity for detection of Human AFMID. No significant cross-reactivity or interference between Human AFMID and analogues was observed.
Sequence Length	303
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Probable arylformamidase (AFMID) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for AFMID elisa kit	Description: This Human Probable arylformamidase (AFMID) ELISA Kit employs a two-site sandwich ELISA to quantitate AFMID in samples. An antibody specific for AFMID has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AFMID present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AFMID is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AFMID bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Arylformamidase (AFMID) is the second enzyme of the kynurenine pathway metabolizing tryptophan to nicotinic acid and nicotinamide adenine dinucleotide cofactors. Inhibition of AFMID by organophosphorus insecticides in developing chicken embryos is correlated with lowered NAD levels and severe teratogenesis. The cDNA sequence previously identified for mouse liver AFMID was cloned and expressed in Escherichia coli. Residues identified as potential catalytic triad members through sequence motif and homology modeling were mutated to alanine to probe their contributions to enzyme activity. The wild-type and mutant AFMIDs were expressed as amino terminal 6 x His-tagged recombinant proteins to facilitate purification. Three chromatography steps isolated highly purified proteins for enzyme activity comparisons.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	192807282
NCBI GeneID	125061
NCBI Accession #	NP_001010982.2
NCBI GenBank Nucleotide #	NP_001010982.2
UniProt Accession #	Q63HM1
NCBI Official Full Name	kynurenine formamidase isoform 2
NCBI Official Synonym Full Names	arylformamidase
NCBI Official Symbol	AFMID
NCBI Official Synonym Symbols	KF; FKF; KFA
NCBI Protein Information	kynurenine formamidase
UniProt Protein Name	Kynurenine formamidase
UniProt Gene Name	AFMID
UniProt Synonym Gene Names	KFA; KFase; FKF

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://www.aaabiotech.com/human-elisa-kits/probable-arylformamidase-afmid/331142>