

Human Amidophosphoribosyltransferase (PPAT) ELISA Kit | PPAT elisa kit

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CATALOG #
AAA244376

REACTIVITY
Human

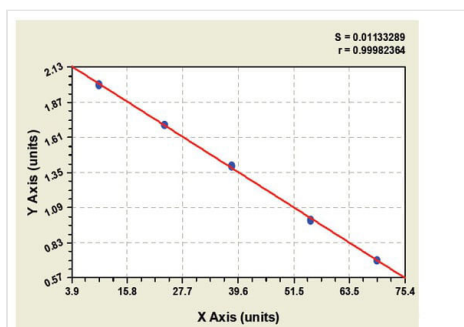
PRODUCT SYNONYMS

Amidophosphoribosyltransferase (PPAT); Human Amidophosphoribosyltransferase (PPAT) ELISA Kit; PPAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/ml
Sensitivity	1.0ng/mL
Intended Uses	This PPAT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PPAT. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPAT elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	17105352
NCBI GeneID	117544
NCBI Accession #	NP_476546.1
NCBI GenBank Nucleotide #	NM_057198.2
Molecular Weight	57,437 Da
NCBI Official Full Name	amidophosphoribosyltransferase
NCBI Official Synonym Full Names	phosphoribosyl pyrophosphate amidotransferase
NCBI Official Symbol	Ppat
NCBI Official Synonym Symbols	Atase
NCBI Protein Information	amidophosphoribosyltransferase; GPAT; glutamine phosphoribosylpyrophosphate amidotransferase
UniProt Protein Name	Amidophosphoribosyltransferase
UniProt Gene Name	Ppat
UniProt Synonym Gene Names	ATase; GPAT
UniProt Entry Name	PUR1_RAT

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://www.aaabiotech.com/human-elisa-kits/amidophosphoribosyltransferase-ppat/244376>