

Mouse Uridine Phosphorylase 1 (UPP1) ELISA Kit | UPP1 elisa kit

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CATALOG #
AAA332052

REACTIVITY
Mouse

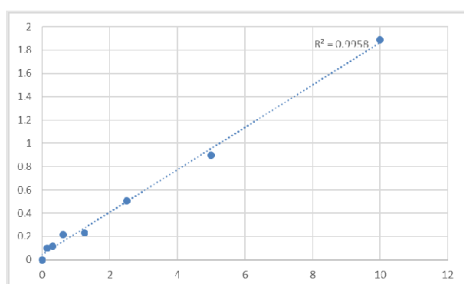
PRODUCT SYNONYMS

Uridine Phosphorylase 1 (UPP1); Mouse Uridine Phosphorylase 1 (UPP1) ELISA Kit; UPP1; UDRPASE; UP; UPASE; UPP; OTTHUMP00000159566; UPP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Uridine phosphorylase 1 (UPP1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse UPP1. No significant cross-reactivity or interference between Mouse UPP1 and analogues was observed.
Sequence Length	311
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. Mouse Uridine phosphorylase 1 (UPP1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for UPP1 elisa kit	Description: This Mouse Uridine phosphorylase 1 (UPP1) ELISA Kit employs a two-site sandwich ELISA to quantitate UPP1 in samples. An antibody specific for UPP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UPP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UPP1 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 UPP1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Uridine Phosphorylase 2 belongs to the PNP/UDP phosphorylase family.Predominantly expressed in kidney.Catalyzes the reversible phosphorylytic cleavage of uridine and deoxyuridine to uracil and ribose- or deoxyribose-1- phosphate. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis. Shows substrate specificity and accept uridine, deoxyuridine, and thymidine as well as the two pyrimidine nucleoside analogs 5-fluorouridine and 5-fluoro-2(')-deoxyuridine as substrates.Pyrimidine metabolism; UMP biosynthesis via salvage pathway; uracil from uridine.This enzyme belongs to the family of glycosyltransferases, specifically the pentosyltransferases. The systematic name of this enzyme class is uridine:phosphate alpha-D-ribosyltransferase.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226874858
NCBI GeneID	22271
NCBI Accession #	NP_001152873.1
NCBI GenBank Nucleotide #	NP_001152873.1
UniProt Accession #	P52624
NCBI Official Full Name	uridine phosphorylase 1
NCBI Official Synonym Full Names	uridine phosphorylase 1
NCBI Official Symbol	Upp1
NCBI Official Synonym Symbols	Up; Upp; UPase; UdRPase; AI325217
NCBI Protein Information	uridine phosphorylase 1
UniProt Protein Name	Uridine phosphorylase 1
UniProt Gene Name	Upp1
UniProt Synonym Gene Names	Up; Upp; UPase 1; UrdPase 1

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/mouse-elisa-kits/uridine-phosphorylase-1-upp1/332052>