

Human Multiple Inositol Polyphosphate Phosphatase 1 (MINPP1) ELISA Kit | MINPP1 elisa kit

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CATALOG #
AAA331765

REACTIVITY
Human

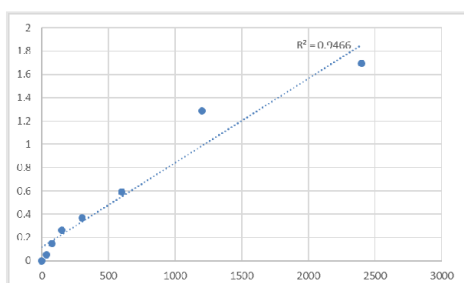
PRODUCT SYNONYMS

Multiple Inositol Polyphosphate Phosphatase 1 (MINPP1); Human Multiple Inositol Polyphosphate Phosphatase 1 (MINPP1) ELISA Kit; MINPP1; RP11-57C13.1; DKFZp564L2016; HIPER1; MINPP2; MIPP; inositol (1; 3; 4; 5)-tetrakisphosphate 3-phosphatase; multiple inositol polyphosphate histidine phosphatase 1; multiple inositol polyphosphate phosphat; MINPP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Multiple inositol polyphosphate phosphatase 1 (MINPP1) ELISA Kit has high sensitivity and excellent specificity for detection of Human MINPP1. No significant cross-reactivity or interference between Human MINPP1 and analogues was observed.
Sequence Length	312
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 Multiple inositol polyphosphate phosphatase 1 (MINPP1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MINPP1 elisa kit	Description: This Human Multiple inositol polyphosphate phosphatase 1 (MINPP1) ELISA Kit employs a two-site sandwich ELISA to quantitate MINPP1 in samples. An antibody specific for MINPP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MINPP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MINPP1 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 MINPP1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MINPP1 encodes multiple inositol polyphosphate phosphatase; an enzyme that removes 3-phosphate from inositol phosphate substrates. It is the only enzyme known to hydrolyze inositol pentakisphosphate and inositol hexakisphosphate. This enzyme also converts 2,3 bisphosphoglycerate (2,3-BPG) to 2-phosphoglycerate; an activity formerly thought to be exclusive to 2,3-BPG synthase/2-phosphatase (BPGM) in the Rapoport-Luebering shunt of the glycolytic pathway.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296010986
NCBI GeneID	9562
NCBI Accession #	NP_001171588.1
NCBI GenBank Nucleotide #	NP_001171588.1
UniProt Accession #	Q9UNW1
NCBI Official Full Name	multiple inositol polyphosphate phosphatase 1 isoform 2
NCBI Official Synonym Full Names	multiple inositol-polyphosphate phosphatase 1
NCBI Official Symbol	MINPP1
NCBI Official Synonym Symbols	MIPP; HIPER1; MINPP2
NCBI Protein Information	multiple inositol polyphosphate phosphatase 1
UniProt Protein Name	Multiple inositol polyphosphate phosphatase 1
UniProt Gene Name	MINPP1
UniProt Synonym Gene Names	MIPP; 2,3-BPG phosphatase; Ins(1,3,4,5)P(4) 3-phosphatase
UniProt Entry Name	MINP1_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.