Human Myosin Phosphatase Rho-Interacting Protein (MPRIP) ELISA Kit | MPRIP elisa kit

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CATALOG #	REACTIVITY
AAA331710	**Human**

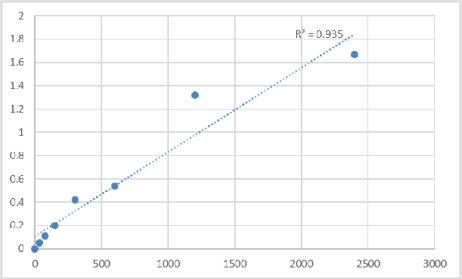
PRODUCT SYNONYMS

Myosin Phosphatase Rho-Interacting Protein (MPRIP); Human Myosin Phosphatase Rho-Interacting Protein (MPRIP) ELISA Kit; MPRIP; KIAA0864; M-RIP; MRIP; RHOIP3; RIP3; p116Rip; Rho interacting protein 3; myosin phosphatase-Rho interacting protein; MPRIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myosin phosphatase Rho-interacting protein (MPRIP) ELISA Kit has high sensitivity and excellent specificity for detection of Human MPRIP. No significant cross-reactivity or interference between Human MPRIP and analogues was observed.
Sequence Length	1038
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 Myosin phosphatase Rho-interacting protein (MPRIP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MPRIP elisa kit	Description: This Human Myosin phosphatase Rho-interacting protein (MPRIP) ELISA Kit employs a two-site sandwich ELISA to quantitate MPRIP in samples. An antibody specific for MPRIP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MPRIP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MPRIP 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 MPRIP bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MPRIP (Myosin Phosphatase Rho Interacting Protein) is a Protein Coding gene. Among its related pathways are HIV Life Cycle and Cytoskeletal Signaling. GO annotations related to this gene include actin binding. An important paralog of this gene is TRIOBP. Targets myosin phosphatase to the actin cytoskeleton. Required for the regulation of the actin cytoskeleton by RhoA and ROCK1. Depletion leads to an increased number of stress fibers in smooth muscle cells through stabilization of actin fibers by phosphorylated myosin. Overexpression of MRIP as well as its F-actin-binding region leads to disassembly of stress fibers in neuronal cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50980307
NCBI GeneID	23164
NCBI Accession #	NP_055949.2
NCBI GenBank Nucleotide #	NP_055949.2
UniProt Accession #	Q6WCQ1
NCBI Official Full Name	myosin phosphatase Rho-interacting protein isoform 1
NCBI Official Synonym Full Names	myosin phosphatase Rho interacting protein
NCBI Official Symbol	MPRIP
NCBI Official Synonym Symbols	MRIP; RIP3; M-RIP; RHOIP3; p116Rip
NCBI Protein Information	myosin phosphatase Rho-interacting protein
UniProt Protein Name	Myosin phosphatase Rho-interacting protein
UniProt Gene Name	**MPRIP**
UniProt Synonym Gene Names	KIAA0864; MRIP; RHOIP3; M-RIP; RIP3
UniProt Entry Name	MPRIP_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://www.aaabiotech.com/human-elisa-kits/myosin-phosphatase-rho-interacting-protein-mprip/331710