

Human Microcephalin (MCPH1) ELISA Kit | MCPH1 elisa kit

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CATALOG #
AAA331839

REACTIVITY
Human

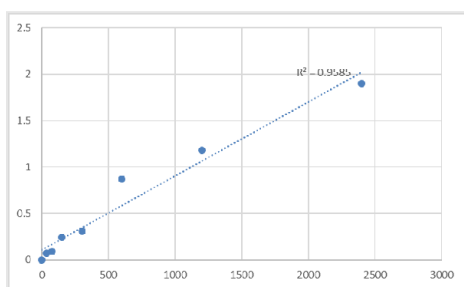
PRODUCT SYNONYMS

Microcephalin (MCPH1); Human Microcephalin (MCPH1) ELISA Kit; MCPH1; BRIT1; FLJ12847; MCT; BRCT-repeat inhibitor of TERT expression 1; microcephalin; microcephaly; primary autosomal recessive 1; MCPH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Microcephalin (MCPH1) ELISA Kit has high sensitivity and excellent specificity for detection of Human MCPH1. No significant cross-reactivity or interference between Human MCPH1 and analogues was observed.
Sequence Length	610
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 Microcephalin (MCPH1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MCPH1 elisa kit	Description: This Human Microcephalin (MCPH1) ELISA Kit employs a two-site sandwich ELISA to quantitate MCPH1 in samples. An antibody specific for MCPH1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MCPH1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MCPH1 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 MCPH1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MCPH1 encodes a DNA damage response protein. Microcephalin may play a role in G2/M checkpoint arrest via maintenance of inhibitory phosphorylation of cyclin-dependent kinase 1. Mutations in MCPH1 have been associated with primary autosomal recessive microcephaly 1 and premature chromosome condensation syndrome. Alternatively spliced transcript variants have been described.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	289191316
NCBI GeneID	79648
NCBI Accession #	NP_001166045.1
NCBI GenBank Nucleotide #	NP_001166045.1
UniProt Accession #	Q8NEM0
NCBI Official Full Name	microcephalin isoform 2
NCBI Official Synonym Full Names	microcephalin 1
NCBI Official Symbol	MCPH1
NCBI Official Synonym Symbols	MCT; BRIT1
NCBI Protein Information	microcephalin
UniProt Protein Name	Microcephalin
UniProt Gene Name	MCPH1
UniProt Entry Name	MCPH1_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.