

Human WD Repeat-Containing Protein MIO (MIOS) ELISA Kit | MIOS elisa kit

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CATALOG #
AAA331764

REACTIVITY
Human

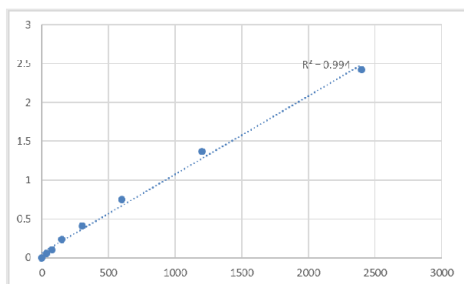
PRODUCT SYNONYMS

WD Repeat-Containing Protein MIO (MIOS); Human WD Repeat-Containing Protein MIO (MIOS) ELISA Kit; MIOS; FLJ20323; H_DJ1159O04.1; OTTHUMP00000201671; WUGSC:H_DJ1159O04.1; missing oocyte; meiosis regulator; homolog; MIOS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human WD repeat-containing protein mio (MIOS) ELISA Kit has high sensitivity and excellent specificity for detection of Human MIOS. No significant cross-reactivity or interference between Human MIOS and analogues was observed.
Sequence Length	875
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 WD repeat-containing protein mio (MIOS) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MIOS elisa kit	Description: This Human WD repeat-containing protein mio (MIOS) ELISA Kit employs a two-site sandwich ELISA to quantitate MIOS in samples. An antibody specific for MIOS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MIOS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MIOS 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 MIOS bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MIOS (Meiosis Regulator For Oocyte Development) is a Protein Coding gene. Among its related pathways are mTOR signaling pathway (KEGG) and PI3K/ Akt Signaling. As a component of the GATOR subcomplex GATOR2, functions within the amino acid-sensing branch of the TORC1 signaling pathway. Indirectly activates mTORC1 and the TORC1 signaling pathway through the inhibition of the GATOR1 subcomplex. It is negatively regulated by the upstream amino acid sensors SESN2 and GATSL3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109150419
NCBI GeneID	54468
NCBI Accession #	NP_061878.3
NCBI GenBank Nucleotide #	NP_061878.3
UniProt Accession #	Q9NXC5
NCBI Official Full Name	GATOR complex protein MIOS isoform 1
NCBI Official Synonym Full Names	meiosis regulator for oocyte development
NCBI Official Symbol	MIOS
NCBI Official Synonym Symbols	MIO; Sea4; Yulink
NCBI Protein Information	GATOR complex protein MIOS
UniProt Protein Name	WD repeat-containing protein mio
UniProt Gene Name	MIOS
UniProt Entry Name	MIO_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/wd-repeat-containing-protein-mio-mios/331764>