

Human Mediator Of RNA Polymerase II Transcription Subunit 12 (MED12) ELISA Kit | MED12 elisa kit

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CATALOG #
AAA331821

REACTIVITY
Human

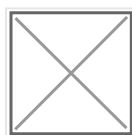
PRODUCT SYNONYMS

Mediator Of RNA Polymerase II Transcription Subunit 12 (MED12); Human Mediator Of RNA Polymerase II Transcription Subunit 12 (MED12) ELISA Kit; MED12; ARC240; CAGH45; FGS1; HOPA; KIAA0192; OKS; OPA1; TNRC11; TRAP230; CAG repeat protein 45; OPA-containing protein; activator-recruited cofactor 240 kDa component; human opposite paired; mediator of RNA po; MED12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mediator of RNA polymerase II transcription subunit 12 (MED12) ELISA Kit has high sensitivity and excellent specificity for detection of Human MED12. No significant cross-reactivity or interference between Human MED12 and analogues was observed.
Sequence Length	2177
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 Mediator of RNA polymerase II transcription subunit 12 (MED12) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MED12 elisa kit	Description: This Human Mediator of RNA polymerase II transcription subunit 12 (MED12) ELISA Kit employs a two-site sandwich ELISA to quantitate MED12 in samples. An antibody specific for MED12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MED12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MED12 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 MED12 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The initiation of transcription is controlled in part by a large protein assembly known as the preinitiation complex. A component of this preinitiation complex is a 1.2 MDa protein aggregate called Mediator. This Mediator component binds with a CDK8 subcomplex which contains the protein encoded by MED12, mediator complex subunit 12 (MED12), along with MED13, CDK8 kinase, and cyclin C. The CDK8 subcomplex modulates Mediator-polymerase II interactions and thereby regulates transcription initiation and reinitiation rates. The MED12 protein is essential for activating CDK8 kinase. Defects in MED12 cause X-linked Opitz-Kaveggia syndrome, also known as FG syndrome, and Lujan-Fryns syndrome.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110347429
NCBI GeneID	9968
NCBI Accession #	NP_005111.2
NCBI GenBank Nucleotide #	NP_005111.2
UniProt Accession #	Q93074
NCBI Official Full Name	mediator of RNA polymerase II transcription subunit 12
NCBI Official Synonym Full Names	mediator complex subunit 12
NCBI Official Symbol	MED12
NCBI Official Synonym Symbols	OKS; FGS1; HOPA; OPA1; OHDOX; ARC240; CAGH45; MED12S; TNRC11; TRAP230
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 12
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 12
UniProt Gene Name	MED12
UniProt Synonym Gene Names	ARC240; CAGH45; HOPA; KIAA0192; TNRC11; TRAP230; ARC240; Trap230
UniProt Entry Name	MED12_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://stage.aaabiotech.com/human-elisa-kits/mediator-of-rna-polymerase-ii-transcription-subunit-12-med12/331821>