

Human Mediator Of RNA Polymerase II Transcription Subunit 14 (MED14) ELISA Kit | MED14 elisa kit

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CATALOG #
AAA331817

REACTIVITY
Human

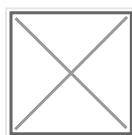
PRODUCT SYNONYMS

Mediator Of RNA Polymerase II Transcription Subunit 14 (MED14); Human Mediator Of RNA Polymerase II Transcription Subunit 14 (MED14) ELISA Kit; MED14; CRSP150; CRSP2; CSRP; CXorf4; DRIP150; EXLM1; MGC104513; RGR1; TRAP170; cofactor required for Sp1 transcriptional activation; subunit 2 (150kD); MED14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mediator of RNA polymerase II transcription subunit 14 (MED14) ELISA Kit has high sensitivity and excellent specificity for detection of Human MED14. No significant cross-reactivity or interference between Human MED14 and analogues was observed.
Sequence Length	1454
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	<ul style="list-style-type: none"> * 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 14 (MED14) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MED14 elisa kit	<p>Description: This Human Mediator of RNA polymerase II transcription subunit 14 (MED14) ELISA Kit employs a two-site sandwich ELISA to quantitate MED14 in samples. An antibody specific for MED14 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MED14 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MED14 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 MED14 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. Mediator of RNA polymerase II transcription subunit 14 encoded by MED14 is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. Mediator of RNA polymerase II transcription subunit 14 contains a bipartite nuclear localization signal. MED14 is known to escape chromosome X-inactivation.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28558973
NCBI GeneID	9282
NCBI Accession #	NP_004220.2
NCBI GenBank Nucleotide #	NP_004220.2
UniProt Accession #	O60244
NCBI Official Full Name	mediator of RNA polymerase II transcription subunit 14
NCBI Official Synonym Full Names	mediator complex subunit 14
NCBI Official Symbol	MED14
NCBI Official Synonym Symbols	CSRP; RGR1; CRSP2; EXLM1; CXorf4; CRSP150; DRIP150; TRAP170
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 14
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 14
UniProt Gene Name	MED14
UniProt Synonym Gene Names	ARC150; CRSP2; CXorf4; DRIP150; EXLM1; RGR1; TRAP170; ARC150; CRSP complex subunit 2; hRGR1; Trap170; DRIP150
UniProt Entry Name	MED14_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.