

Human Max-Binding Protein MNT (MNT) ELISA Kit | MNT elisa kit

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CATALOG #
AAA331733

REACTIVITY
Human

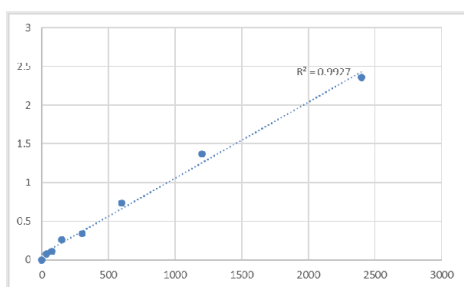
PRODUCT SYNONYMS

Max-Binding Protein MNT (MNT); Human Max-Binding Protein MNT (MNT) ELISA Kit; MNT; MAD6; MXD6; ROX; bHLHd3; Max-interacting protein; myc antagonist; MNT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Max-binding protein MNT (MNT) ELISA Kit has high sensitivity and excellent specificity for detection of Human MNT. No significant cross-reactivity or interference between Human MNT and analogues was observed.
Sequence Length	582
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 Max-binding protein MNT (MNT) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MNT elisa kit	Description: This Human Max-binding protein MNT (MNT) ELISA Kit employs a two-site sandwich ELISA to quantitate MNT in samples. An antibody specific for MNT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MNT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MNT 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 MNT bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The Myc/Max/Mad network comprises a group of transcription factors that co-interact to regulate gene-specific transcriptional activation or repression. MNT encodes a protein member of the Myc/Max/Mad network. This protein has a basic-Helix-Loop-Helix-zipper domain (bHLHzip) with which it binds the canonical DNA sequence CANNTG, known as the E box, following heterodimerization with Max proteins. This protein is likely a transcriptional repressor and an antagonist of Myc-dependent transcriptional activation and cell growth. This protein represses transcription by binding to DNA binding proteins at its N-terminal Sin3-interaction domain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9945318
NCBI GeneID	4335
NCBI Accession #	NP_064706.1
NCBI GenBank Nucleotide #	NP_064706.1
UniProt Accession #	Q99583
NCBI Official Full Name	max-binding protein MNT
NCBI Official Synonym Full Names	MAX network transcriptional repressor
NCBI Official Symbol	MNT
NCBI Official Synonym Symbols	ROX; MAD6; MXD6; bHLHd3
NCBI Protein Information	max-binding protein MNT
UniProt Protein Name	Max-binding protein MNT
UniProt Gene Name	MNT
UniProt Synonym Gene Names	BHLHD3; ROX; bHLHd3
UniProt Entry Name	MNT_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.