

Human Melatonin Receptor Type 1B (MTNR1B) ELISA Kit | MTNR1B elisa kit

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CATALOG #
AAA331644

REACTIVITY
Human

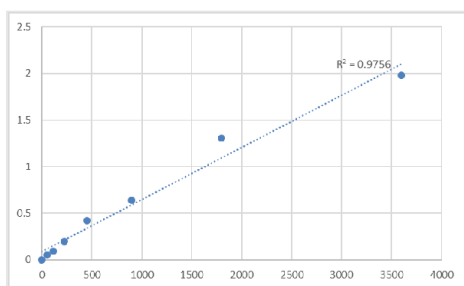
PRODUCT SYNONYMS

Melatonin Receptor Type 1B (MTNR1B); Human Melatonin Receptor Type 1B (MTNR1B) ELISA Kit; MTNR1B; MEL-1B-R; MT2; melatonin receptor MEL1B; melatonin receptor type 1B; MTNR1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Melatonin receptor type 1B (MTNR1B) ELISA Kit has high sensitivity and excellent specificity for detection of Human MTNR1B. No significant cross-reactivity or interference between Human MTNR1B and analogues was observed.
Sequence Length	362
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 Melatonin receptor type 1B (MTNR1B) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MTNR1B elisa kit	Description: This Human Melatonin receptor type 1B (MTNR1B) ELISA Kit employs a two-site sandwich ELISA to quantitate MTNR1B in samples. An antibody specific for MTNR1B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MTNR1B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MTNR1B 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 MTNR1B bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MTNR1B encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. MTNR1B product is an integral membrane protein that is a G-protein coupled, 7- transmembrane receptor. It is found primarily in the retina and brain although this detection requires RT-PCR. It is thought to participate in light-dependent functions in the retina and may be involved in the neurobiological effects of melatonin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174595
NCBI GeneID	4544
NCBI Accession #	NP_005950.1
NCBI GenBank Nucleotide #	NP_005950.1
UniProt Accession #	P49286
NCBI Official Full Name	melatonin receptor type 1B
NCBI Official Synonym Full Names	melatonin receptor 1B
NCBI Official Symbol	MTNR1B
NCBI Official Synonym Symbols	MT2; FGQTL2; MEL-1B-R
NCBI Protein Information	melatonin receptor type 1B
UniProt Protein Name	Melatonin receptor type 1B
UniProt Gene Name	MTNR1B
UniProt Synonym Gene Names	Mel-1B-R
UniProt Entry Name	MTR1B_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.