

Mouse Melatonin receptor type 1B (MTNR1B) ELISA Kit | MTNR1B elisa kit

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CATALOG #
AAA97638

REACTIVITY
Mouse

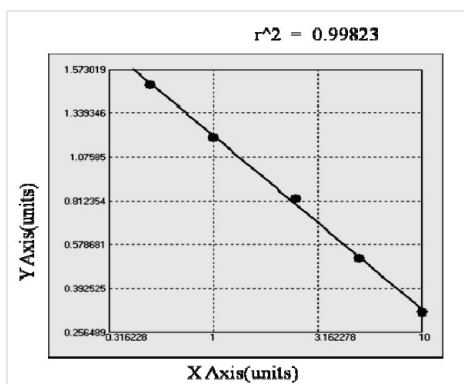
PRODUCT SYNONYMS

Melatonin receptor type 1B (MTNR1B); Mouse Melatonin receptor type 1B (MTNR1B) ELISA kit; MTNR1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This MTNR1B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse MTNR1B. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MTNR1B elisa kit

Principle of the assay: MTNR1B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MTNR1B antibody and an MTNR1B-HRP conjugate. The assay sample and buffer are incubated together with MTNR1B-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MTNR1B concentration since MTNR1B from samples and MTNR1B-HRP conjugate compete for the anti-MTNR1B antibody binding site. Since the number of sites is limited, as more sites are occupied by MTNR1B from the sample, fewer sites are left to bind MTNR1B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MTNR1B concentration in each sample is interpolated from this standard curve.

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/mouse-elisa-kits/melatonin-receptor-type-1b-mtnr1b/97638>