

Human Melatonin ELISA Kit | MLT elisa kit

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CATALOG #
AAA16307

REACTIVITY
Human

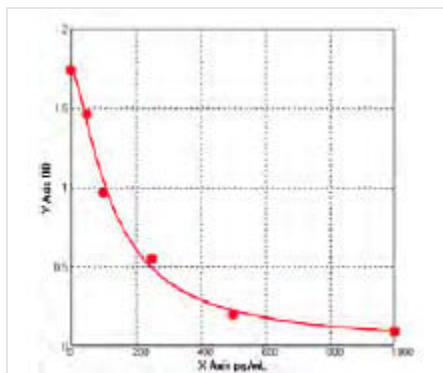
PRODUCT SYNONYMS

Melatonin; Human Melatonin ELISA Kit; MLT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MLT. No significant cross-reactivity or interference between MLT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MLT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MLT elisa kit	Intended Uses: This MLT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MLT. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MLT ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MLT antibody and an MLT-HRP conjugate. The assay sample and buffer are incubated together with MLT-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 MLT concentration since MLT from samples and MLT-HRP conjugate compete for the anti-MLT antibody binding site. Since the number of sites is limited, as more sites are occupied by MLT from the sample, fewer sites are left to bind MLT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MLT concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MLT elisa kit	Neurobiology

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://www.aaabiotech.com/mlt-human-elisa-kits/melatonin/16307>