

Mouse Melatonin ELISA Kit | MLT elisa kit

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CATALOG #
AAA16591

REACTIVITY
Mouse

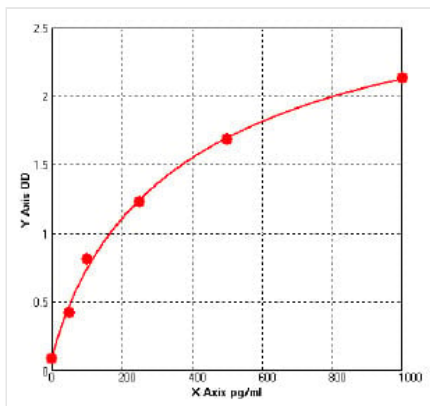
PRODUCT SYNONYMS

Melatonin; Mouse Melatonin ELISA Kit; MLT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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 Sandwich
Sensitivity	1.0pg/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 Mouse MLT. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MLT ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for MLT. Standards or samples are then added to the microtiter plate wells and MLT if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MLT present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for MLT are added to each well to "sandwich" the MLT immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MLT and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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-mouse-elisa-kits/melatonin/16591>