

Porcine Melatonin ELISA Kit | MLT elisa kit

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CATALOG #
AAA88419

REACTIVITY
Porcine

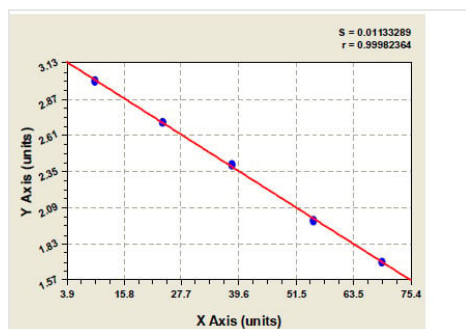
PRODUCT SYNONYMS

Melatonin; Porcine Melatonin ELISA Kit; MLT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	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 Melatonin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine Melatonin. This ELISA kit for research use only!

Principle of the Assay||Melatonin ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-Melatonin antibody and an Melatonin-HRP conjugate. The assay sample and buffer are incubated together with Melatonin-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 Melatonin concentration since Melatonin from samples and Melatonin-HRP conjugate compete for the anti-Melatonin antibody binding site. Since the number of sites is limited, as more sites are occupied by Melatonin from the sample, fewer sites are left to bind Melatonin-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Melatonin 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://stage.aaabiotech.com/mlt-porcine-elisa-kits/melatonin/88419>