

Human 6 Dihydroxy Melatonin ELISA Kit

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CATALOG #
AAA246771

REACTIVITY
Human

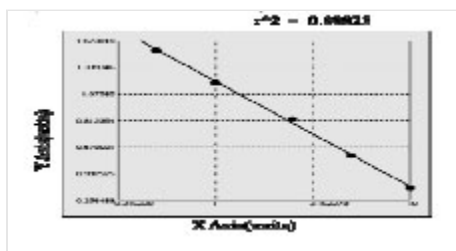
PRODUCT SYNONYMS

6 Dihydroxy Melatonin; Human 6 Dihydroxy Melatonin ELISA Kit; 6 Dihydroxy Melatonin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500pg/mL
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 6 Dihydroxy Melatonin elisa kit

Intended Uses: This 60H-MLT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human 6OH-MLT. This ELISA kit for research use only!

Principle of the Assay: 60H-MLT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-60H-MLT antibody and an 60H-MLT-HRP conjugate. The assay sample and buffer are incubated together with 60H-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 60H-MLT concentration since 60H-MLT from samples and 60H-MLT-HRP conjugate compete for the anti-60H-MLT antibody binding site. Since the number of sites is limited, as more sites are occupied by 60H-MLT from the sample, fewer sites are left to bind 60H-MLT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 60H-MLT 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.

