

Bovine 6 Dihydroxy Melatonin ELISA Kit

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CATALOG #
AAA246741

REACTIVITY
Bovine

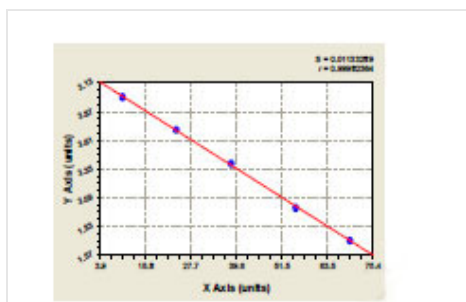
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
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 6 Dihydroxy Melatonin elisa kit

Intended Uses: This 6 Dihydroxy Melatonin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine 6 Dihydroxy Melatonin.

Principle of the Assay: 6 Dihydroxy Melatonin ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-6 Dihydroxy Melatonin antibody and an 6 Dihydroxy Melatonin-HRP conjugate. The assay sample and buffer are incubated together with 6 Dihydroxy 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 6 Dihydroxy Melatonin concentration since 6 Dihydroxy Melatonin from samples and 6 Dihydroxy Melatonin-HRP conjugate compete for the anti-6 Dihydroxy Melatonin antibody binding site. Since the number of sites is limited, as more sites are occupied by 6 Dihydroxy Melatonin from the sample, fewer sites are left to bind 6 Dihydroxy Melatonin-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 6 Dihydroxy Melatonin 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/bovine-ovine-elisa-kits/6-dihydroxy-melatonin/246741>