

General Melatonin (MT) ELISA Kit | MT elisa kit

General Melatonin (MT) ELISA Kit

CATALOG # AAA63991	REACTIVITY General
------------------------------	------------------------------

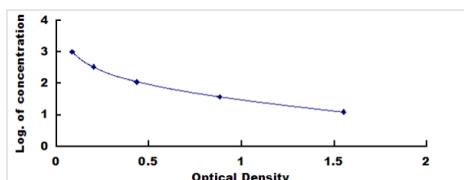
PRODUCT SYNONYMS

Melatonin (MT); General Melatonin (MT) ELISA Kit; N-Acetyl-5-Methoxytryptamine; MT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of MT. No significant cross-reactivity or interference between MT and analogues was observed.
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Competitive
Detection Range	15.6-1000pg/mL
Sensitivity	< 6.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of MT in general serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to MT has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled MT and unlabeled MT (Standards or samples) with the pre-coated antibody specific to MT. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of MT in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of MT in the sample.
--	--

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://stage.aaabiotech.com/general-elisa-kits/melatonin-mt/63991>