

Fish Melatonin ELISA Kit | MT elisa kit

Fish Melatonin (MT) ELISA Kit

CATALOG #
AAA55744

REACTIVITY
Fish

PRODUCT SYNONYMS

Melatonin; Fish Melatonin (MT) ELISA Kit; MT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Fish
Specificity	This assay has high sensitivity and excellent specificity for detection of Fish MT. No significant cross-reactivity or interference between Fish MT and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	25 pg/mL - 400 pg/mL
Sensitivity	12.5 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for MT elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to MT. Standards or samples are added to the appropriate microtiter plate wells with biotin-conjugated MT. A competitive inhibition reaction is launched between MT (Standards or samples) and biotin-conjugated MT with the pre-coated antibody specific for MT. The more amount of MT in samples, the less antibody bound by biotin-conjugated MT. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Substrate solution is added to the wells and the color develops in opposite to the amount of MT in the sample. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Fish Melatonin (MT) concentration in serum, plasma and other biological fluids.

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/mt-fish-elisa-kits/melatonin/55744>