Melanin ELISA Kit for Fish

PRODUCT OVERVIEW

Product Name	melanin, ELISA Kit
Full Product Name	Fish melanin ELISA Kit
Species Reactivity	Fish
Assay Type	Sandwich
Samples	Serum, Plasma, Other biological fluids
Specificity	This assay has high sensitivity and excellent specificity for detection of FishMelanin. No significant cross-reactivity or interference between FishMelanin and analogues was observed.
Preparation and Storage	Store at 2-8 degree C.
Sample Volume	1-200 uL
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. 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 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for melanin elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate Melanin in samples. An antibody specific for Melanin has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMelanin present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Melanin is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Melanin bound in the initial step. The color development is stopped and the intensity of the color is measured.
Other Notes	Small volumes of melanin elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for melanin purchase	MBS280978 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the melanin, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing melanin. The ELISA analytical biochemical technique of the MBS280978 kit is based on melanin antibody-melanin antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect melanin antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, melanin. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for melanin. It may not necessarily be applicable to this product.

Protein Family	Melanin-concentrating hormone receptor

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