

Fish Collagen Type IV ELISA Kit | Col IV elisa kit

Fish Collagen Type IV (Col IV) ELISA Kit

CATALOG #
AAA55531

REACTIVITY
Fish

PRODUCT SYNONYMS

Collagen Type IV; Fish Collagen Type IV (Col IV) ELISA Kit; Col IV elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Fish
Specificity	This assay has high sensitivity and excellent specificity for detection of Fish Col IV. No significant cross-reactivity or interference between Fish Col IV and analogues was observed.
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	3.12 ng/mL - 50 ng/mL
Sensitivity	3.12 ng/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 Col IV elisa kit

Intended Uses: For the quantitative detection of Fish Collagen Type IV (Col IV) concentration in serum, plasma and other biological fluids.

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 Col IV. Standards or samples are added to the appropriate microtiter plate wells with biotin-conjugated Col IV. A competitive inhibition reaction is launched between Col IV (Standards or samples) and biotin-conjugated Col IV with the pre-coated antibody specific for Col IV. The more amount of Col IV in samples, the less antibody bound by biotin-conjugated Col IV. 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 Col IV in the sample. The color development is stopped and the intensity of the color is measured.

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/col-iv-fish-elisa-kits/collagen-type-iv/55531>