

Fish cytochrome P450, family 1, subfamily A, polypeptide 1 ELISA Kit | CYP1A1 elisa kit

Fish Cytochrome P450 1A1, CYP1A1 ELISA Kit

CATALOG #
AAA80942

REACTIVITY
Fish

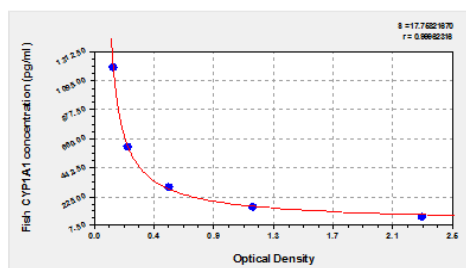
PRODUCT SYNONYMS

cytochrome P450; family 1; subfamily A; polypeptide 1; Fish Cytochrome P450 1A1; CYP1A1 ELISA Kit; Fish Cytochrome P450 1A1 (CYP1A1) ELISA kit; AHH; AHRR; CP11; CYP1; P1-450; P450-C; P450DX; OTTHUMP00000183469; aryl hydrocarbon hydroxylase; cytochrome P1-450; dioxin-inducible; cytochrome P450 1A1; subfamily I (aromatic compound); CYP1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Fish
Specificity	This assay has high sensitivity and excellent specificity for detection of fish CYP1A1. No significant cross-reactivity or interference between fish CYP1A1 and analogues was observed.
Sequence Length	367
Assay Type	Competitive
Samples	Serum, plasma, tissue homogenates
Detection Range	75 pg/ml-1200 pg/ml
Sensitivity	< 75 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<15%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<15%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP1A1 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 CYP1A1. Standards or samples are added to the appropriate microtiter plate wells with Biotin-conjugated CYP1A1. A competitive inhibition reaction is launched between CYP1A1 (Standards or samples) and Biotin-conjugated CYP1A1 with the pre-coated antibody specific for CYP1A1. The more amount of CYP1A1 in samples, the less antibody bound by Biotin-conjugated CYP1A1. After washing, avidin 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 CYP1A1 in the sample. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194018576
NCBI GeneID	100170113
NCBI Accession #	NP_001123377.1
NCBI GenBank Nucleotide #	NM_001129905.1
UniProt Accession #	P56591
Molecular Weight	59,230 Da
NCBI Official Full Name	cytochrome P450 1A1
NCBI Official Symbol	CYP1A1
NCBI Protein Information	cytochrome P450 1A1; CYPIA1; cytochrome P450-C
UniProt Protein Name	Cytochrome P450 1A1
UniProt Gene Name	CYP1A1
UniProt Entry Name	CP1A1_SHEEP

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/cyp1a1-fish-elisa-kits/cytochrome-p450-family-1-subfamily-a-polypeptide-1/80942>