

Human Flavin Containing Monooxygenase 1 (FMO1) ELISA Kit | FMO1 elisa kit

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CATALOG #
AAA186845

REACTIVITY
Human

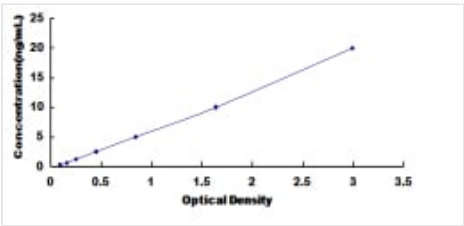
PRODUCT SYNONYMS

Flavin Containing Monooxygenase 1 (FMO1); Human Flavin Containing Monooxygenase 1 (FMO1) ELISA Kit; Dimethylaniline oxidase 1; Fetal hepatic flavin-containing monooxygenase 1; FMO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Flavin Containing Monooxygenase 1 (FMO1). No significant cross-reactivity or interference between Flavin Containing Monooxygenase 1 (FMO1) and analogues was observed.
Sequence Length	469
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.115ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Flavin Containing Monooxygenase 1 (FMO1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Flavin Containing Monooxygenase 1 (FMO1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FMO1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Flavin Containing Monooxygenase 1 (FMO1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Flavin Containing Monooxygenase 1 (FMO1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Flavin Containing Monooxygenase 1 (FMO1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Flavin Containing Monooxygenase 1 (FMO1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	57790274
NCBI GeneID	2326
UniProt Accession #	Q01740; Q5QPT2; Q9UJC2; A8K248; B7Z3P4
Molecular Weight	52,813 Da
NCBI Official Full Name	flavin containing monooxygenase 1
NCBI Official Synonym Full Names	flavin containing monooxygenase 1
NCBI Official Symbol	FMO1
NCBI Protein Information	dimethylaniline monooxygenase [N-oxide-forming] 1
UniProt Protein Name	Dimethylaniline monooxygenase [N-oxide-forming] 1
UniProt Gene Name	FMO1
UniProt Synonym Gene Names	FMO 1

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.