

Human Cytochrome P450 4F2 ELISA Kit | CYP4F2 elisa kit

Human Cytochrome P450 4F2 (CYP4F2) ELISA Kit

CATALOG #
AAA144604

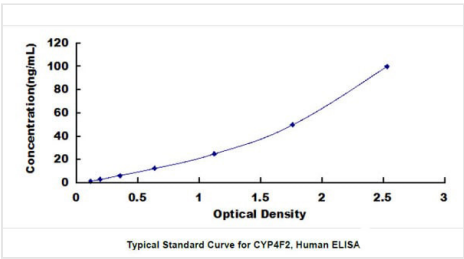
REACTIVITY
Human

PRODUCT SYNONYMS

Cytochrome P450 4F2; Human Cytochrome P450 4F2 (CYP4F2) ELISA Kit; CPF2; Leukotriene-B(4)omega-hydroxylase 1; Cytochrome P450 Family 4 Subfamily F Polypeptide 2; 20-hydroxyeicosatetraenoic acid synthase; Arachidonic acid omega-hydroxylase; CYP4F2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cytochrome P450 4F2 (CYP4F2). No significant cross-reactivity or interference between Cytochrome P450 4F2 (CYP4F2) and analogues was observed.
Sequence Length	520
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.55ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cytochrome P450 4F2 (CYP4F2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cytochrome P450 4F2 (CYP4F2) 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.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP4F2 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 Cytochrome P450 4F2 (CYP4F2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cytochrome P450 4F2 (CYP4F2). 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 Cytochrome P450 4F2 (CYP4F2), 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 Cytochrome P450 4F2 (CYP4F2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CYP4F2 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	9313018
NCBI GeneID	8529
Molecular Weight	21,709 Da
NCBI Official Full Name	cytochrome P450 4F2
NCBI Official Synonym Full Names	cytochrome P450 family 4 subfamily F member 2
NCBI Official Symbol	CYP4F2
NCBI Official Synonym Symbols	CPF2
NCBI Protein Information	phylloquinone omega-hydroxylase CYP4F2
UniProt Protein Name	Phylloquinone omega-hydroxylase CYP4F2
UniProt Gene Name	CYP4F2
UniProt Synonym Gene Names	20-HETE synthase
UniProt Entry Name	CP4F2_HUMAN

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.