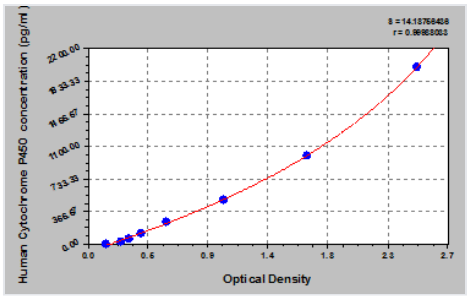
Cytochrome P450 (CYP450) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cytochrome P450 (CYP450), ELISA Kit
Full Product Name	Human Cytochrome P450 ELISA Kit
Product Gene Name	CYP450 elisa kit
Product Synonym Names	Human Cytochrome P450 ELISA kit; Cytochrome P450
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/ml-2000 pg/ml
Sensitivity	< 7.8 pg/ml
Specificity	This assay has high sensitivity and excellent specificity for detection of human Cytochrome P450. No significant cross-reactivity or interference between human Cytochrome P450 and analogues was observed.
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.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CYP450 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for Cytochrome P450 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Cytochrome P450 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Cytochrome P450 is added to the wells. After washing, avidin 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 Cytochrome P450 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Other Notes	Small volumes of CYP450 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 CYP450 purchase	MBS705506 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cytochrome P450 (CYP450) 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 CYP450. The ELISA analytical biochemical technique of the MBS705506 kit is based on CYP450 antibody-CYP450 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CYP450 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CYP450. 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(%).



Typical Testing Data/Standard Curve (for reference only) of CYP450 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYP450. It may not necessarily be applicable to this product.

NCBI GI #	21219323
NCBI GeneID	1096224
NCBI Accession #	NP_625102.1
GenBank Nucleotide #	NC_003888.3
NCBI Official Full Name	cytochrome P450
NCBI Official Symbol	SCO0801
NCBI Official Synonym Symbols	SCF43.12
Protein Family	Cytochrome P450 family protein
NCBI Protein Information	cytochrome P450
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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