Cytochrome P450 1a2 (CYP1A2) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cytochrome P450 1A2 (CYP1A2), ELISA Kit
Full Product Name	Human Cytochrome P450 1A2 ELISA Kit
Product Gene Name	CYP1A2 elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Tissue Homogenate, Feces and Urine
Detection Range	31.2pg/ml-1000pg/ml.
Sensitivity	5.0pg/ml.
Specificity	No significant cross-reactivity or interference between Human CYP1A2 and analogues was observed.
Preparation and Storage	Store all reagents at 2-8 degree C
Inter-assay Precision	Inter-assay CV (%) is less than 15%. [CV(%) = SD/mean ×100]
Intra-assay Precision	Intra-assay CV (%) is less than 15%.
Intended Uses	This Quantitative Sandwich ELISA kit is only for in vitro research use only, not for drug, household, therapeutic applications! It is intended to be determinated CYP1A2 concentrations in Human serum, plasma and other body fluids. Using Purified Human CYP1A2 antibody to coat Microelisa Stripplate wells to make solid-phase antibody, then add CYP1A2 and CYP1A2 antibody which has been labeled with HRP to wells, then the reactants become antibody-antigen-antibody-enzyme complex, after washing completely, add TMB substrate solution, TMB substrate becomes blue color under HRP enzyme-catalyzed, reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of CYP1A2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Related Product Information for CYP1A2 elisa kit	**Background:** This Quantitative Sandwich ELISA kit is only for in vitro research use only! It is intended to be determinated CYP1A2 concentrations in Human serum, plasma and other body fluids. Using Purified Human CYP1A2 antibody to coat Microelisa Stripplate wells to make solid-phase antibody, then add CYP1A2 and CYP1A2 antibody which has been labeled with HRP to wells, then the reactants become antibody-antigen-antibody-enzyme complex, after washing completely, add TMB substrate solution, TMB substrate becomes blue color under HRP enzyme-catalyzed, reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of CYP1A2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of CYP1A2 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 CYP1A2 purchase	MBS047844 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cytochrome P450 1A2 (CYP1A2) 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 CYP1A2. The ELISA analytical biochemical technique of the MBS047844 kit is based on CYP1A2 antibody-CYP1A2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CYP1A2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CYP1A2. 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(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYP1A2. It may not necessarily be applicable to this product.

Protein Family	Cytochrome
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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