

Human Cytochrome P450 2J2 (CYP2J2) ELISA Kit

Catalog No: #EK10964



Package Size: #EK10964-1 48T #EK10964-2 96T

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Description

Product Name	Human Cytochrome P450 2J2 (CYP2J2) ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CPJ2; arachidonic acid epoxidase cytochrome P450; subfamily IIJ (arachidonic acid epoxidase) polypeptide 2 flavoprotein-linked monooxygenase microsomal monooxygenase
Accession No.	P51589
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CYP2J2 in samples. An antibody specific for CYP2J2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCYP2J2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CYP2J2 is added to the wells. After washing, Streptavidin 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 CYP2J2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Published Papers

el at., ROS-responsive nanoparticle-mediated delivery of CYP2J2 gene for therapeutic angiogenesis in severe hindlimb ischemia. In Mater Today Bio on 2021 Dec 20 by Liang Gui,

Youlu Chen, et al..PMID:34988419, , (2021)

[PMID:34988419](https://pubmed.ncbi.nlm.nih.gov/34988419/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.