

Human Epoxide hydrolase 1 (EPHX1) ELISA Kit | EPHX1 elisa kit

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CATALOG #
AAA246098

REACTIVITY
Human

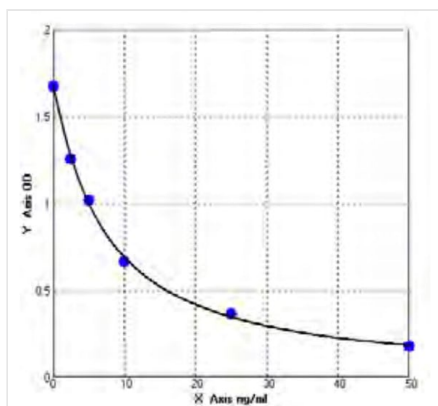
PRODUCT SYNONYMS

Epoxide hydrolase 1 (EPHX1); Human Epoxide hydrolase 1 (EPHX1) ELISA Kit; EPHX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of EPHX1. No significant cross-reactivity or interference between EPHX1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between EPHX1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPHX1 elisa kit	Principle of the Assay: EPHX1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-EPHX1 antibody and an EPHX1-HRP conjugate. The assay sample and buffer are incubated together with EPHX1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the EPHX1 concentration since EPHX1 from samples and EPHX1-HRP conjugate compete for the anti-EPHX1 antibody binding site. Since the number of sites is limited, as more sites are occupied by EPHX1 from the sample, fewer sites are left to bind EPHX1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EPHX1 concentration in each sample is interpolated from this standard curve. Intended Uses: This EPHX1 ELISA kit is a 1.5-hour solid-phase ELISA designed for the quantitative determination of Human EPHX1. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209862837
NCBI GeneID	2052
NCBI Accession #	NP_001129490.1
NCBI GenBank Nucleotide #	NM_001136018.3
Molecular Weight	52,949 Da
NCBI Official Full Name	epoxide hydrolase 1
NCBI Official Synonym Full Names	epoxide hydrolase 1, microsomal (xenobiotic)
NCBI Official Symbol	EPHX1
NCBI Official Synonym Symbols	MEH; EPHX; EPOX; HYL1
NCBI Protein Information	epoxide hydrolase 1; epoxide hydratase
UniProt Protein Name	Epoxide hydrolase 1
UniProt Gene Name	EPHX1
UniProt Synonym Gene Names	EPHX; EPOX
UniProt Entry Name	HYEP_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.