

Human NADPH cytochrome P450 reductase (POR) ELISA Kit | POR elisa kit

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CATALOG #
AAA245259

REACTIVITY
Human

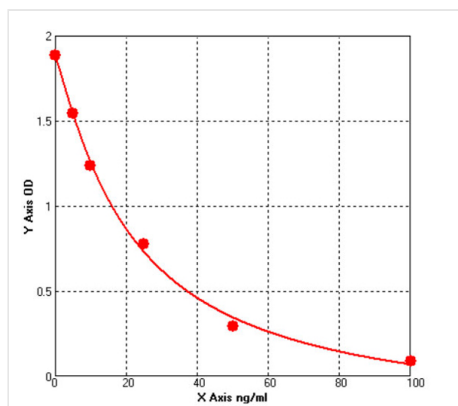
PRODUCT SYNONYMS

NADPH cytochrome P450 reductase (POR); Human NADPH cytochrome P450 reductase (POR) ELISA Kit; POR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of POR. No significant cross-reactivity or interference between POR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between POR 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for POR elisa kit	Principle of the Assay: POR ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-POR antibody and an POR-HRP conjugate. The assay sample and buffer are incubated together with POR-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 POR concentration since POR from samples and POR-HRP conjugate compete for the anti-POR antibody binding site. Since the number of sites is limited, as more sites are occupied by POR from the sample, fewer sites are left to bind POR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The POR concentration in each sample is interpolated from this standard curve. Intended Uses: This POR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human POR. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	558515899
NCBI GeneID	101890161
NCBI Accession #	NP_001273818.1
NCBI GenBank Nucleotide #	NM_001286889.1
Molecular Weight	76,358 Da
NCBI Official Full Name	NADPH--cytochrome P450 reductase
NCBI Official Symbol	CPR
NCBI Official Synonym Symbols	P450R
NCBI Protein Information	NADPH--cytochrome P450 reductase; FAD binding protein; NADPH cytochrome P450 reductase
UniProt Protein Name	NADPH--cytochrome P450 reductase
UniProt Gene Name	CPR
UniProt Synonym Gene Names	P450R
UniProt Entry Name	NCPR_MUSDO

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/nadph-cytochrome-p450-reductase-por/245259>