

Human CYB5R1 (NADH-cytochrome b5 reductase 1) ELISA Kit | CYB5R1 elisa kit

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CATALOG #
AAA249714

REACTIVITY
Human

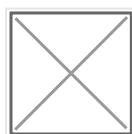
PRODUCT SYNONYMS

CYB5R1 (NADH-cytochrome b5 reductase 1); Human CYB5R1 (NADH-cytochrome b5 reductase 1) ELISA Kit; CYB5R1; NADH-cytochrome b5 reductase 1; b5R.1; Humb5R2; NAD(P)H:quinone oxidoreductase type 3 polypeptide A2; NQO3A2; UNQ3049/PRO9865; CYB5R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CYB5R1. No significant cross-reactivity or interference between CYB5R1 and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYB5R1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49574502
NCBI GeneID	51706

NCBI Accession #	NP_057327.2
NCBI GenBank Nucleotide #	NM_016243.2
UniProt Accession #	Q9UHQ9 ; O95329 ; Q53F73 ; Q8NCL5 ; Q9UHH1 ; A0PK21 ; B2R8E0
Molecular Weight	34,095 Da
NCBI Official Full Name	NADH-cytochrome b5 reductase 1
NCBI Official Synonym Full Names	cytochrome b5 reductase 1
NCBI Official Symbol	CYB5R1
NCBI Official Synonym Symbols	B5R1; B5R2; B5R.1; NQO3A2; humb5R2
NCBI Protein Information	NADH-cytochrome b5 reductase 1; NAD(P)H:quinone oxidoreductase type 3, polypeptide A2
UniProt Protein Name	NADH-cytochrome b5 reductase 1
UniProt Gene Name	CYB5R1
UniProt Synonym Gene Names	NQO3A2; b5R.1
UniProt Entry Name	NB5R1_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cyb5r1-nadh-cytochrome-b5-reductase-1/249714>