

Human cytochrome b5 reductase 3 ELISA Kit | CYB5R3 elisa kit

Human NADH-cytochrome b5 reductase 3, CYB5R3 ELISA Kit

CATALOG #
AAA113084

REACTIVITY
Human

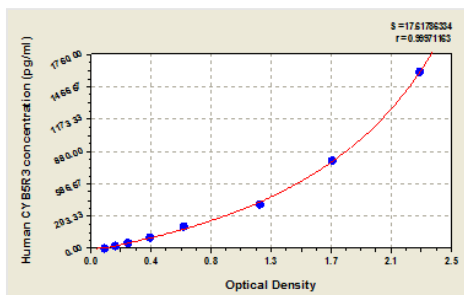
PRODUCT SYNONYMS

cytochrome b5 reductase 3; Human NADH-cytochrome b5 reductase 3; CYB5R3 ELISA Kit; Human NADH-cytochrome b5 reductase 3 (CYB5R3) ELISA kit; B5R; DIA1; NADH-cytochrome b5 reductase; OTTHUMP00000198574; OTTHUMP00000198665; diaphorase (NADH) (cytochrome b-5 reductase) ; CYB5R3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CYB5R3. No significant cross-reactivity or interference between human CYB5R3 and analogues was observed.
Sequence Length	301
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	25 pg/ml-1600 pg/ml
Sensitivity	< 6.25 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYB5R3 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CYB5R3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CYB5R3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CYB5R3 is added to the wells. After washing, avidin 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 CYB5R3 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503327
NCBI GeneID	1727
NCBI Accession #	NP_000389.1
NCBI GenBank Nucleotide #	NM_000398.6
UniProt Accession #	P00387; O75675; Q8TDL8; Q8WTS8; Q9UEN4; Q9UEN5; Q9UL55; Q9UL56; B1AHF2; B7Z7L3
Molecular Weight	34,235 Da
NCBI Official Full Name	NADH-cytochrome b5 reductase 3 isoform 1
NCBI Official Synonym Full Names	cytochrome b5 reductase 3
NCBI Official Symbol	CYB5R3
NCBI Official Synonym Symbols	B5R; DIA1
NCBI Protein Information	NADH-cytochrome b5 reductase 3; diaphorase-1; NADH-cytochrome b5 reductase 3 soluble form; NADH-cytochrome b5 reductase 3 membrane-bound form
UniProt Protein Name	NADH-cytochrome b5 reductase 3
UniProt Gene Name	CYB5R3
UniProt Synonym Gene Names	DIA1; B5R; Cytochrome b5 reductase
UniProt Entry Name	NB5R3_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/cyb5r3-human-elisa-kits/cytochrome-b5-reductase-3/113084>