

Human cytochrome c-1 ELISA Kit | CYC1 elisa kit

Human cytochrome c-1, CYC1 ELISA Kit

CATALOG #
AAA112609

REACTIVITY
Human

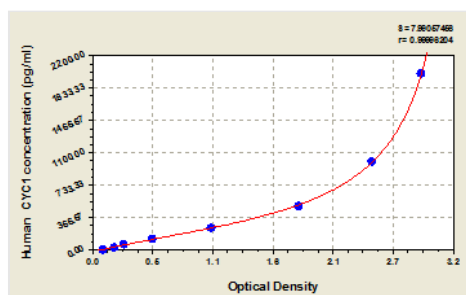
PRODUCT SYNONYMS

cytochrome c-1; Human cytochrome c-1; CYC1 ELISA Kit; Human cytochrome c-1 (CYC1) ELISA kit; UQCR4; ; CYC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CYC1. No significant cross-reactivity or interference between human CYC1 and analogues was observed.
Sequence Length	325
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	31.25 pg/ml -2000 pg/ml.
Sensitivity	The minimum detectable dose of human CYC1 is typically less than 7.8 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
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 CYC1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CYC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CYC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CYC1 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 CYC1 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 #	21359867
NCBI GeneID	1537
NCBI Accession #	NP_001907.2
NCBI GenBank Nucleotide #	NM_001916.4
UniProt Accession #	P08574; Q5U062; Q6FHS7
Molecular Weight	35,422 Da
NCBI Official Full Name	cytochrome c1, heme protein, mitochondrial
NCBI Official Synonym Full Names	cytochrome c-1
NCBI Official Symbol	CYC1
NCBI Official Synonym Symbols	UQCR4; MC3DN6
NCBI Protein Information	cytochrome c1, heme protein, mitochondrial; complex III subunit 4; complex III subunit IV; cytochrome b-c1 complex subunit 4; ubiquinol-cytochrome-c reductase complex cytochrome c1 subunit
UniProt Protein Name	Cytochrome c1, heme protein, mitochondrial
UniProt Gene Name	CYC1
UniProt Synonym Gene Names	Cytochrome c-1
UniProt Entry Name	CY1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cyc1-human-elisa-kits/cytochrome-c-1/112609>