

Bovine cytochrome c-1 (CYC1) ELISA Kit | CYC1 elisa kit

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CATALOG #
AAA246469

REACTIVITY
Bovine

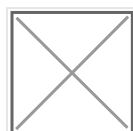
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of CYC1. No significant cross-reactivity or interference between CYC1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CYC1 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 CYC1 elisa kit

Principle of the Assay: CYC1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CYC1 antibody and an CYC1-HRP conjugate. The assay sample and buffer are incubated together with CYC1-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 CYC1 concentration since CYC1 from samples and CYC1-HRP conjugate compete for the anti-CYC1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYC1 from the sample, fewer sites are left to bind CYC1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYC1 concentration in each sample is interpolated from this standard curve.

Intended Uses: This CYC1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine CYC1. This ELISA kit for research use only, not for therapeutic or test applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #

[18088253](#)

NCBI GeneID	1537
Molecular Weight	35,422 Da
NCBI Official Full Name	Cytochrome c-1
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.

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Online datasheet: <https://stage.aaabiotech.com/bovine-ovine-elisa-kits/cytochrome-c-1-cyc1/246469>