

Canine Cytochrome c (CYCS) ELISA Kit | CYCS elisa kit

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CATALOG #
AAA56050

REACTIVITY
Canine

PRODUCT SYNONYMS

Cytochrome c (CYCS); Canine Cytochrome c (CYCS) ELISA Kit; CYC; HCS; THC4; OTTHUMP00000202043; OTTHUMP00000202044; cytochrome c; CYCS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of Canine CYCS. No significant cross-reactivity or interference between Canine CYCS and analogues was observed.
Sequence Length	105
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	1.56 ng/mL - 100 ng/mL
Sensitivity	1 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for CYCS elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitative CYCS in Canine serum, plasma. An antibody specific for CYCS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CYCS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CYCS is added to the wells. After washing, Streptavidin 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 CYCS bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Canine Cytochrome c (CYCS) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	308081835
NCBI GeneID	475258
NCBI Accession #	NP_001183974.1
NCBI GenBank Nucleotide #	NM_001197045.1
UniProt Accession #	P00011

Molecular Weight	11,633 Da
NCBI Official Full Name	cytochrome c
NCBI Official Synonym Full Names	cytochrome c, somatic
NCBI Official Symbol	CYCS
NCBI Protein Information	cytochrome c
UniProt Protein Name	Cytochrome c
UniProt Gene Name	CYCS
UniProt Synonym Gene Names	CYC

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://www.aaabiotech.com/canine-elisa-kits/cytochrome-c-cycs/56050>