

Canine Cytochrome b5 ELISA Kit | CYTB5 elisa kit

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CATALOG #
AAA94033

REACTIVITY
Canine

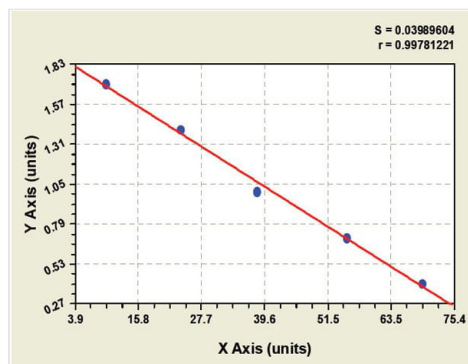
PRODUCT SYNONYMS

Cytochrome b5; Canine Cytochrome b5 ELISA Kit; CYTB5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CYTB5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CYTB5. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYTB5 elisa kit	Principle of the Assay: CYTB5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CYTB5 antibody and an CYTB5-HRP conjugate. The assay sample and buffer are incubated together with CYTB5-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 CYTB5 concentration since CYTB5 from samples and CYTB5-HRP conjugate compete for the anti-CYTB5 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYTB5 from the sample, fewer sites are left to bind CYTB5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYTB5 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41281768
NCBI GeneID	1528
NCBI Accession #	NP_683725.1
NCBI GenBank Nucleotide #	NM_148923.3
Molecular Weight	14,169 Da
NCBI Official Full Name	cytochrome b5 isoform 1
NCBI Official Synonym Full Names	cytochrome b5 type A (microsomal)
NCBI Official Symbol	CYB5A
NCBI Official Synonym Symbols	CYB5; MCB5
NCBI Protein Information	cytochrome b5; type 1 cyt-b5
UniProt Protein Name	Cytochrome b5
UniProt Gene Name	CYB5A
UniProt Synonym Gene Names	CYB5; MCB5
UniProt Entry Name	CYB5_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/cytb5-canine-elisa-kits/cytochrome-b5/94033>