

Chicken Cytochrome b5 ELISA Kit | CYTB5 elisa kit

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CATALOG #
AAA95097

REACTIVITY
Chicken

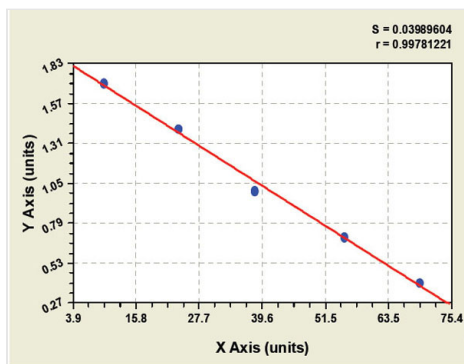
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This CYTB5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken 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.

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.