

Mouse Cytochrome b5 ELISA Kit | CYTB5 elisa kit

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CATALOG #
AAA87999

REACTIVITY
Mouse

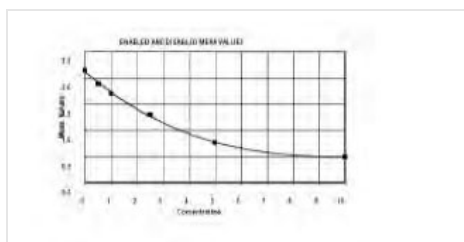
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYTB5 elisa kit

For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma

Intended Uses: This CYB5 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of CYB5 in the sample, this CYB5 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus CYB5 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of CYB5 utilizes a monoclonal anti-CYB5 antibody and an CYB5-HRP conjugate. The assay sample and buffer are incubated together with CYB5-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 CYB5 concentration since CYB5 from samples and CYB5-HRP conjugate compete for the anti-CYB5 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYB5 from the sample, fewer sites are left to bind CYB5-HRP conjugate. Standards of known CYB5 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of CYB5. The CYB5 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.

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Online datasheet: <https://stage.aaabiotech.com/cytb5-mouse-elisa-kits/cytochrome-b5/87999>