

Mouse CYB5A (Cytochrome b5) ELISA Kit | CYB5A elisa kit

Mouse CYB5A (Cytochrome b5)

CATALOG # AAA102643	REACTIVITY Mouse
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PRODUCT SYNONYMS

CYB5A (Cytochrome b5); Mouse CYB5A (Cytochrome b5); CYB5A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CYB5A. No significant cross-reactivity or interference between CYB5A and analogues was observed.
Sequence Length	134
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYB5A were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CYB5A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a CYB5A ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.063	0.106	0.158	0.201	0.404	0.83	1.431	2.026

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYB5A elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CYB5A antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-CYB5A antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the CYB5A amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CYB5A can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	284004897
NCBI GeneID	100328915
NCBI Accession #	NP_001164735.1
NCBI GenBank Nucleotide #	NM_001171264.1
Molecular Weight	11,232 Da
NCBI Official Full Name	cytochrome b5
NCBI Official Symbol	LOC100328915
NCBI Official Synonym Symbols	CYB5; CYB5A
NCBI Protein Information	cytochrome b5
UniProt Protein Name	Cytochrome b5
UniProt Gene Name	CYB5A
UniProt Synonym Gene Names	CYB5
UniProt Entry Name	CYB5_RABIT

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/mouse-elisa-kits/cyb5a-cytochrome-b5/102643>