

Human Cytochrome b-245 Beta Polypeptide (CYBb) ELISA Kit | CYBb elisa kit

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CATALOG #
AAA138582

REACTIVITY
Human

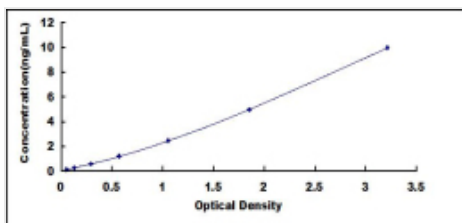
PRODUCT SYNONYMS

Cytochrome b-245 Beta Polypeptide (CYBb); Human Cytochrome b-245 Beta Polypeptide (CYBb) ELISA Kit; CGD; GP91PHOX; NOX2; Neutrophil cytochrome b91; Cytochrome b558 beta; Heme-binding membrane glycoprotein gp91phox; Superoxide-generating NADPH oxidase heavy chain; CYBb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cytochrome b-245 Beta Polypeptide (CYBb). No significant cross-reactivity or interference between Cytochrome b-245 Beta Polypeptide (CYBb) and analogues was observed.
Sequence Length	570
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.056ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cytochrome b-245 Beta Polypeptide (CYBb) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cytochrome b-245 Beta Polypeptide (CYBb) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYBb elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cytochrome b-245 Beta Polypeptide (CYBb). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cytochrome b-245 Beta Polypeptide (CYBb). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cytochrome b-245 Beta Polypeptide (CYBb), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cytochrome b-245 Beta Polypeptide (CYBb) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CYBb elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	18568441
NCBI GeneID	1536
UniProt Accession #	P04839; Q2PP16; A8K138
Molecular Weight	65,336 Da
NCBI Official Full Name	cytochrome b-245 beta polypeptide
NCBI Official Synonym Full Names	cytochrome b-245, beta polypeptide
NCBI Official Symbol	CYBB
NCBI Official Synonym Symbols	CGD; NOX2; IMD34; AMCBX2; GP91-1; GP91PHOX; p91-PHOX; GP91-PHOX
NCBI Protein Information	cytochrome b-245 heavy chain
UniProt Protein Name	Cytochrome b-245 heavy chain
UniProt Gene Name	CYBB
UniProt Synonym Gene Names	NOX2; Cytochrome b558 subunit beta
UniProt Entry Name	CY24B_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/human-elisa-kits/cytochrome-b-245-beta-polypeptide-cybb/138582>