

Human Cytochrome B-245 Heavy Chain (CYBB) ELISA Kit | CYBB elisa kit

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CATALOG #
AAA31501

REACTIVITY
Human

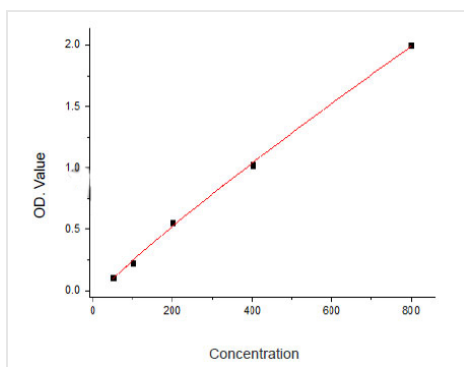
PRODUCT SYNONYMS

Cytochrome B-245 Heavy Chain (CYBB); Human Cytochrome B-245 Heavy Chain (CYBB) ELISA Kit; CYBB; CGD; GP91-1; GP91-PHOX; GP91PHOX; NOX2; p91-PHOX; NADPH oxidase 2; cytochrome b-245 beta polypeptide; CYBB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	570
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYBB elisa kit

Principle of the Assay: Human Cytochrome b-245 Heavy Chain (CYBB) ELISA Kit employs a two-site sandwich ELISA to quantitate CYBB in samples. An antibody specific for CYBB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CYBB present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human Cytochrome b-245 heavy chain (CYBB) ELISA Kit CYBB detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of CYBB bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Cytochrome b-245 heavy chain (CYBB) encodes the heavy chain component of a heterodimeric transmembrane ion transporter composed of both a heavy and a light chain. This transporter mediates the transfer of electrons from nicotinamide adenine dinucleotide phosphate (NADPH) to oxygen to generate superoxide. This reaction is important in the innate immune response to pathogens.

NCBI AND UNIPROT INFORMATION

NCBI GI #

[115211](#)

NCBI GeneID	1536
UniProt Accession #	P04839
NCBI Official Full Name	Cytochrome b-245 heavy chain
NCBI Official Synonym Full Names	cytochrome b-245 beta chain
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cytochrome-b-245-heavy-chain-cybb/31501>