

Rat Cytochrome b-245 light chain (CYBA) ELISA Kit | CYBA elisa kit

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CATALOG #
AAA245175

REACTIVITY
Rat

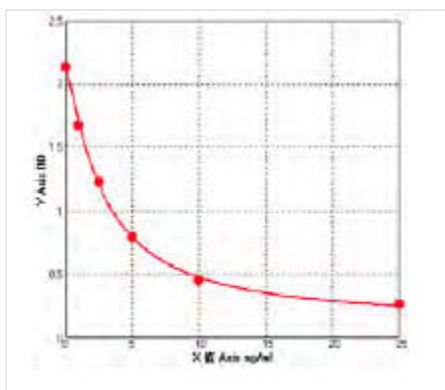
PRODUCT SYNONYMS

Cytochrome b-245 light chain (CYBA); Rat Cytochrome b-245 light chain (CYBA) ELISA Kit; CYBA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYBA elisa kit

Intended Uses: This CXCR7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CXCR7. This ELISA kit for research use only!

Principle of the Assay: CXCR7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CXCR7 antibody and an CXCR7-HRP conjugate. The assay sample and buffer are incubated together with CXCR7-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 CXCR7 concentration since CXCR7 from samples and CXCR7-HRP conjugate compete for the anti-CXCR7 antibody binding site. Since the number of sites is limited, as more sites are occupied by CXCR7 from the sample, fewer sites are left to bind CXCR7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CXCR7 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68509914
NCBI GeneID	1535
NCBI Accession #	NP_000092.2
NCBI GenBank Nucleotide #	NM_000101.3
Molecular Weight	21,013 Da
NCBI Official Full Name	cytochrome b-245 light chain
NCBI Official Synonym Full Names	cytochrome b-245, alpha polypeptide
NCBI Official Symbol	CYBA
NCBI Official Synonym Symbols	p22-PHOX
NCBI Protein Information	cytochrome b-245 light chain; p22phox; cytochrome b light chain; p22 phagocyte B-cytochrome; cytochrome b(558) alpha chain; cytochrome b558 subunit alpha; cytochrome b(558) alpha-subunit; cytochrome b, alpha polypeptide; flavocytochrome b-558 alpha polypeptide; neutrophil cytochrome b 22 kDa polypeptide; superoxide-generating NADPH oxidase light chain subunit
UniProt Protein Name	Cytochrome b-245 light chain
UniProt Gene Name	CYBA
UniProt Synonym Gene Names	p22phox
UniProt Entry Name	CY24A_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://www.aaabiotech.com/rat-elisa-kits/cytochrome-b-245-light-chain-cyba/245175>