

Rat Cyclophilin D ELISA Kit | CYPD elisa kit

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CATALOG #
AAA86511

REACTIVITY
Rat

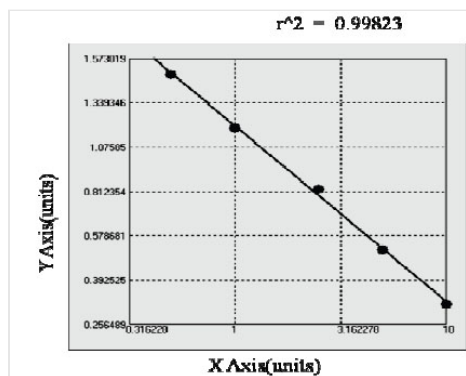
PRODUCT SYNONYMS

Cyclophilin D; Rat Cyclophilin D ELISA Kit; CYPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This CYPD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CYPD. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYPD elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	337747719
NCBI GeneID	10856332
NCBI Accession #	YP_004641881.1
NCBI GenBank Nucleotide #	NC_015690.1
Molecular Weight	117,903 Da
NCBI Official Full Name	protein CypD
NCBI Official Symbol	cypD
NCBI Protein Information	protein CypD
UniProt Protein Name	CypD
UniProt Gene Name	cypD
UniProt Synonym Gene Names	KNP414_03453
UniProt Entry Name	F8F8U9_PAEMK

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/cypd-rat-elisa-kits/cyclophilin-d/86511>