

Human Putative ATP-dependent Clp protease proteolytic subunit, mitochondrial (CLPP) ELISA Kit | clpp elisa kit

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CATALOG # AAA97626	REACTIVITY Human
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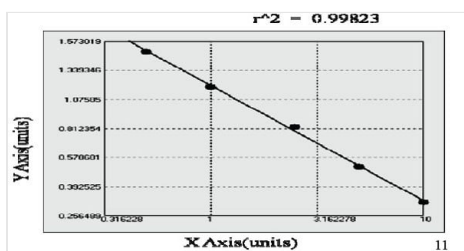
PRODUCT SYNONYMS

Putative ATP-dependent Clp protease proteolytic subunit; mitochondrial (CLPP); Human Putative ATP-dependent Clp protease proteolytic subunit; mitochondrial (CLPP) ELISA Kit; clpp elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CLPP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CLPP. 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 clpp elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	66472380
NCBI GeneID	553713
NCBI Accession #	NP_001018520.1
NCBI GenBank Nucleotide #	NM_001020684.1
NCBI Official Full Name	putative ATP-dependent Clp protease proteolytic subunit, mitochondrial
NCBI Official Synonym Full Names	caseinolytic mitochondrial matrix peptidase proteolytic subunit
NCBI Official Symbol	clpp
NCBI Official Synonym Symbols	fj37a05; wu:fj37a05; zgc:112333; si:dkey-204f11.65
NCBI Protein Information	putative ATP-dependent Clp protease proteolytic subunit, mitochondrial; caseinolytic protease, ATP-dependent, proteolytic subunit homolog; ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog

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/human-elisa-kits/putative-atp-dependent-clp-protease-proteolytic-subunit-mitochondrial-clpp/97626>