

Human ceruloplasmin (ferroxidase) ELISA Kit | CP elisa kit

Human Ceruloplasmin, CP/CER ELISA Kit

CATALOG #
AAA79849

REACTIVITY
Human

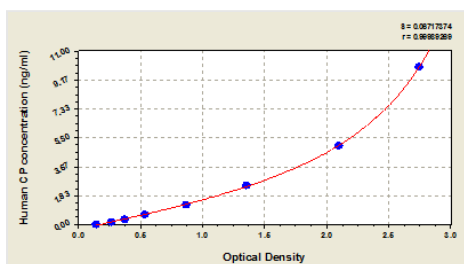
PRODUCT SYNONYMS

ceruloplasmin (ferroxidase); Human Ceruloplasmin; CP/CER ELISA Kit; CP-2; ceruloplasmin; CP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CP. No significant cross-reactivity or interference between Human CP and analogues was observed.
Sequence Length	1065
Samples	Serum, plasma, cell culture supernates, urine, saliva
Assay Type	Sandwich
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Transport
Protein Biological Process 2	Anion transport
Protein Biological Process 3	Copper transport
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CP elisa kit	For Sample For the quantitative determination of human ceruloplasmin (CP/CER) concentrations in serum, plasma, cell culture supernates, urine, saliva. PRINCIPLE OF THE ASSAY This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CP is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CP bound in the initial step. The color development is stopped and the intensity of the color is measured.
References	Electrochemical Magnetic Immunosensors for the Determination of Ceruloplasmin. Irene Ojeda, María Moreno-Guzmán, Araceli González-Cortés, Paloma Yáñez-Sedeño and José M. Pingarrón (2013)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557485
NCBI GeneID	1356
NCBI Accession #	NP_000087.1
NCBI GenBank Nucleotide #	NM_000096.3
UniProt Accession #	P00450; Q14063; Q2PP18; Q9UKS4
Molecular Weight	122,205 Da
NCBI Official Full Name	ceruloplasmin
NCBI Official Synonym Full Names	ceruloplasmin (ferroxidase)
NCBI Official Symbol	CP
NCBI Official Synonym Symbols	CP-2
NCBI Protein Information	ceruloplasmin
UniProt Protein Name	Ceruloplasmin
UniProt Gene Name	CP
UniProt Entry Name	CERU_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/cp-human-elisa-kits/ceruloplasmin-ferroxidase/79849>