

General Ceruloplasmin Assay Kit | CP assay kit

Ceruloplasmin Microplate Assay Kit

CATALOG # AAA261567	REACTIVITY General	APPLICATIONS Functional Assay
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PRODUCT SYNONYMS

Ceruloplasmin; Ceruloplasmin Microplate Assay Kit; EC 1.16.3.1; Ferroxidase; HEPH; Hephaestin; CP assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	1065
Samples	Serum, Plasma, Other biological fluids Samples.
Applicable Applications for CP assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

ADDITIONAL INFORMATION

Related Product Information for CP assay kit	Background/Introduction: Ceruloplasmin is a copper containing protein found primarily in the blood. It carries approximately 70% of the total copper present in the blood. Ceruloplasmin exhibits a weak oxidase activity, which is a more accurate method of assessing ceruloplasmin in serum than immunodiffusion or other non-enzymatic assays. Normal Ceruloplasmin levels are generally 1-4 μ M (15-60 mg/dl), equivalent to approximately 50-150 mU/ml. Elevated amounts of serum ceruloplasmin are found in pregnancy, cancer, rheumatoid arthritis and in several mental conditions such as Alzheimer's, schizophrenia and OCD. Abnormally low amounts are found in Wilson's and Menkes' Diseases and in several other rare conditions. The assay is initiated with the enzymatic catalysis of the TMB by CP. The enzyme catalysed reaction products can be measured at a colorimetric readout at 645 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557485
NCBI GeneID	1356
NCBI Accession #	NP_000087.1
NCBI GenBank Nucleotide #	NM_000096.3
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

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/general-assay-kits/ceruloplasmin/261567>