

ARG81099 Human Ceruloplasmin ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG81099 Human Ceruloplasmin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Ceruloplasmin in plasma, serum, urine, milk, saliva and cell culture media.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Ceruloplasmin
Conjugation	HRP
Conjugation Note	TMB substrate is used for color development at 450 nm.
Sensitivity	0.333 ng/ml
Sample Type	Plasma, serum, urine, milk, saliva and cell culture media
Standard Range	1 - 1000 ng/ml
Alternate Names	Ceruloplasmin; CP-2; EC 1.16.3.1; Ferroxidase

Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

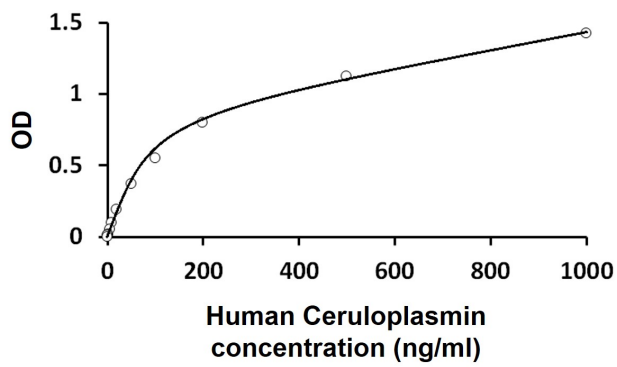
Bioinformation

Database links	GeneID: 1356 Human Swiss-port # P00450 Human
Gene Symbol	CP
Gene Full Name	ceruloplasmin (ferroxidase)
Background	The protein encoded by this gene is a metalloprotein that binds most of the copper in plasma and is involved in the peroxidation of Fe(II)transferrin to Fe(III) transferrin. Mutations in this gene cause aceruloplasminemia, which results in iron accumulation and tissue damage, and is associated with diabetes and neurologic abnormalities. Two transcript variants, one protein-coding and the other not protein-coding, have been found for this gene. [provided by RefSeq, Feb 2012]
Function	Ceruloplasmin is a blue, copper-binding (6-7 atoms per molecule) glycoprotein. It has ferroxidase activity oxidizing Fe(2+) to Fe(3+) without releasing radical oxygen species. It is involved in iron transport across the cell membrane. Provides Cu(2+) ions for the ascorbate-mediated deaminase degradation of the heparan sulfate chains of GPC1. May also play a role in fetal lung development or pulmonary antioxidant defense (By similarity). [UniProt]
Highlight	Related products: Ceruloplasmin antibodies ; Ceruloplasmin ELISA Kits ;

Research Area

Cell Biology and Cellular Response kit

Images



ARG81099 Human Ceruloplasmin ELISA Kit standard curve image

ARG81099 Human Ceruloplasmin ELISA Kit results of a typical standard run with optical density reading at 450 nm.