

Human Copper transporter 1 ELISA Kit | CTR1 elisa kit

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CATALOG #
AAA82117

REACTIVITY
Human

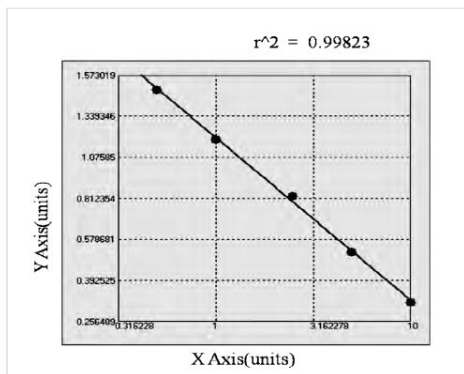
PRODUCT SYNONYMS

Copper transporter 1; Human Copper transporter 1 ELISA Kit; CTR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This COPT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COPT1. 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 CTR1 elisa kit

Principle of the assay: COPT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COPT1 antibody and an COPT1-HRP conjugate. The assay sample and buffer are incubated together with COPT1-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 COPT1 concentration since COPT1 from samples and COPT1-HRP conjugate compete for the anti-COPT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by COPT1 from the sample, fewer sites are left to bind COPT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COPT1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15237802
NCBI GeneID	836020
NCBI Accession #	NP_200711.1
NCBI GenBank Nucleotide #	NM_125293.3
Molecular Weight	18,399 Da
NCBI Official Full Name	copper transporter 1
NCBI Official Symbol	COPT1
NCBI Official Synonym Symbols	copper transporter 1; COPT1; K19M22.24
NCBI Protein Information	copper transporter 1
UniProt Protein Name	Copper transporter 1
UniProt Gene Name	COPT1
UniProt Synonym Gene Names	At5g59030; K18B18.10; K18B18.2; AtCOPT1
UniProt Entry Name	COPT1_ARATH

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/ctr1-human-elisa-kits/copper-transporter-1/82117>