

Human Cortistatin (CORT) ELISA Kit | CORT elisa kit

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CATALOG #
AAA138512

REACTIVITY
Human

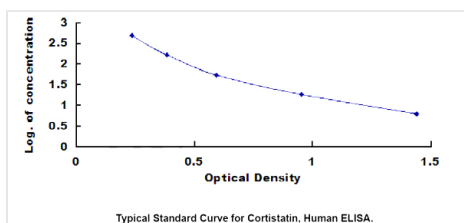
PRODUCT SYNONYMS

Cortistatin (CORT); Human Cortistatin (CORT) ELISA Kit; CST14; CST17; CST29; CORT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of cortistatin. No significant cross-reactivity or interference between cortistatin and analogues was observed.
Sequence Length	105
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, urine and other biological fluids
Detection Range	6.17-500ng/mL
Sensitivity	< 2.59ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level cortistatin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level cortistatin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CORT elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to cortistatin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled cortistatin and unlabeled cortistatin (Standards or samples) with the pre-coated antibody specific to cortistatin. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of cortistatin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of cortistatin in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of cortistatin in human serum, plasma, urine and other biological fluids.
Product Categories/Family for CORT elisa kit	Endocrinology; Neuroscience; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	110645872
NCBI GeneID	1325
UniProt Accession #	O00230; Q5T6G0; Q6UX11
Molecular Weight	11,532 Da
NCBI Official Full Name	Cortistatin
NCBI Official Synonym Full Names	cortistatin
NCBI Official Symbol	CORT
NCBI Official Synonym Symbols	CST-14; CST-17; CST-29
NCBI Protein Information	cortistatin
UniProt Protein Name	Cortistatin
UniProt Gene Name	CORT
UniProt Entry Name	CORT_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/human-elisa-kits/cortistatin-cort/138512>