

Human Complexin 2 (CPLX2) ELISA Kit | CPLX2 elisa kit

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CATALOG #
AAA182379

REACTIVITY
Human

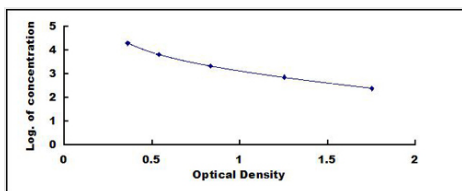
PRODUCT SYNONYMS

Complexin 2 (CPLX2); Human Complexin 2 (CPLX2) ELISA Kit; 921-L; CPX-2; CPX2; Synaphin-1; CPLX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Complexin 2 (CPLX2). No significant cross-reactivity or interference between Complexin 2 (CPLX2) and analogues was observed.
Sequence Length	114
Assay Type	Competitive Inhibition
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	246.9-20000pg/mL
Sensitivity	< 86.3pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Complexin 2 (CPLX2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Complexin 2 (CPLX2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 CPLX2 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Complexin 2 (CPLX2) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Complexin 2 (CPLX2) and unlabeled Complexin 2 (CPLX2) (Standards or samples) with the pre-coated antibody specific to Complexin 2 (CPLX2). 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 Complexin 2 (CPLX2) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Complexin 2 (CPLX2) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46405548
NCBI GeneID	10814
UniProt Accession #	Q6PUV4; O09056; Q13329; Q28184; Q52M15; Q64386; B2RAG2
Molecular Weight	15,394 Da
NCBI Official Full Name	complexin 2, partial
NCBI Official Synonym Full Names	complexin 2
NCBI Official Symbol	CPLX2
NCBI Official Synonym Symbols	CPX2; Hfb1; 921-L; CPX-2
NCBI Protein Information	complexin-2
UniProt Protein Name	Complexin-2
UniProt Gene Name	CPLX2
UniProt Synonym Gene Names	CPX II

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/complexin-2-cplx2/182379>