

Human Diazepam Binding Inhibitor (DBI) ELISA Kit | DBI elisa kit

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CATALOG #
AAA140907

REACTIVITY
Human

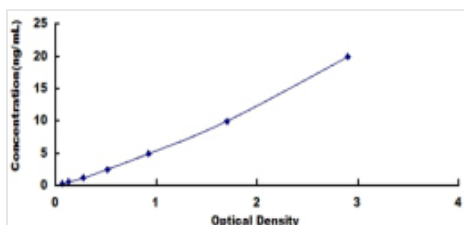
PRODUCT SYNONYMS

Diazepam Binding Inhibitor (DBI); Human Diazepam Binding Inhibitor (DBI) ELISA Kit; ACPBP; ACBD1; CCK-RP; EP; Endozepine; GABA Receptor Modulator; Acyl-Coenzyme A Binding Protein; DBI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Diazepam Binding Inhibitor (DBI). No significant cross-reactivity or interference between Diazepam Binding Inhibitor (DBI) and analogues was observed.
Sequence Length	104
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.127ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Diazepam Binding Inhibitor (DBI) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Diazepam Binding Inhibitor (DBI) 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 DBI elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Diazepam Binding Inhibitor (DBI). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Diazepam Binding Inhibitor (DBI). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Diazepam Binding Inhibitor (DBI), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Diazepam Binding Inhibitor (DBI) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for DBI elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	181478
NCBI GeneID	1622
Molecular Weight	13,911 Da
NCBI Official Full Name	diazepam binding inhibitor
NCBI Official Synonym Full Names	diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein)
NCBI Official Symbol	DBI
NCBI Official Synonym Symbols	EP; ACBP; ACBD1; CCK-RP
NCBI Protein Information	acyl-CoA-binding protein
UniProt Protein Name	Acyl-CoA-binding protein
UniProt Gene Name	DBI
UniProt Synonym Gene Names	ACBP; DBI; EP
UniProt Entry Name	ACBP_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.