

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

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CATALOG #
AAA13938

REACTIVITY
Human

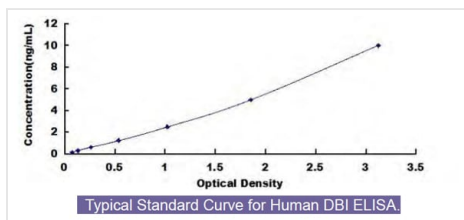
PRODUCT SYNONYMS

Diazepam Binding Inhibitor (DBI); Human Diazepam Binding Inhibitor (DBI) ELISA Kit; ACBP; 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 DBI. No significant cross-reactivity or interference between DBI and analogues was observed.
Sequence Length	87
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DBI 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 DBI were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DBI elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DBI. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 DBI in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of DBI in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	120433590
NCBI GeneID	1622
NCBI Accession #	NP_001073331.1
NCBI GenBank Nucleotide #	NM_001079862.2
UniProt Accession #	P07108; P08869; Q4VWZ6; Q53SQ7; Q6IB48; Q9UCI8; B8ZWD2; B8ZWD6; B8ZWD7
Molecular Weight	13,911 Da
NCBI Official Full Name	acyl-CoA-binding protein isoform 3
NCBI Official Synonym Full Names	diazepam binding inhibitor, 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

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/diazepam-binding-inhibitor-dbi/13938>