

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

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CATALOG #
AAA140019

REACTIVITY
Human

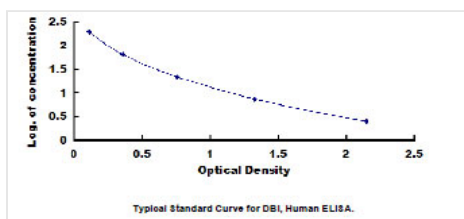
PRODUCT SYNONYMS

Diazepam Binding Inhibitor (DBI); Human Diazepam Binding Inhibitor (DBI) ELISA Kit; 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	104
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	2.47-200ng/mL
Sensitivity	<0.91ng/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	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	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of DBI in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to DBI has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled DBI and unlabeled DBI (Standards or samples) with the pre-coated antibody specific to DBI. 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 DBI in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of DBI in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	181478
NCBI GeneID	1622
UniProt Accession #	P07108; P08869; Q4VWZ6; Q53SQ7; Q6IB48; Q9UCI8; B8ZWD2; B8ZWD6; B8ZWD7
Molecular Weight	10,044 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; endozepine; GABA receptor modulator; diazepam-binding inhibitor; acyl coenzyme A binding protein; acyl-Coenzyme A binding domain containing 1; cholecystokinin-releasing peptide, trypsin-sensitive; diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A 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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/diazepam-binding-inhibitor-dbi/140019>