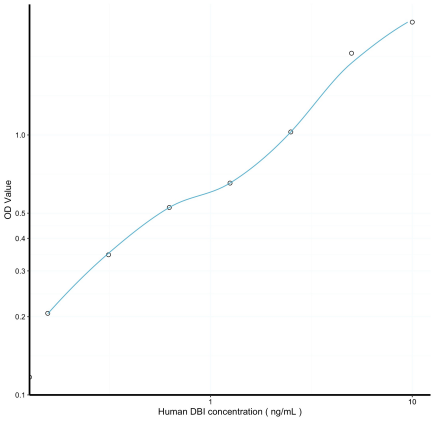
DBI (Human) ELISA Kit

Catalog # KA6494 Size 1 Kit

Applications



The standard curve values are provided for demonstration only. A standard curve should be generated for each set of DBI assayed.

Matrix	Recovery range (%)	Average (%)
Serum (n=5)	90-101	96
EDTA plasma (n=5)	87-95	91
Heparin plasma (n=5)	88-89	88

Recovery

The recovery of human DBI spiked at three different levels in samples throughout the range of the assay was evaluated in various matrices.

Specification

Product Description	DBI (Human) ELISA Kit is a sandwich enzyme immunoassay for the measurement of human DBI.
Calibration Range	0.156-10 ng/mL
Limit of Detection	0.054 ng/mL
Quality Control Testing	Standard Curve The standard curve values are provided for demonstration only. A standard curve should be generated for each set of DBI assayed. Recovery The recovery of human DBI spiked at three different levels in samples throughout the range of the assay was evaluated in various matrices.

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Storage Instruction	Store the kit at 4°C. Avoid repeated freezing and thawing.

Applications

- Quantification

Gene Info — DBI

Entrez GeneID	1622
Protein Accession#	P07108
Gene Name	DBI
Gene Alias	ACBD1, ACBP, CCK-RP, EP, MGC70414
Gene Description	diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)
Omim ID	125950
Gene Ontology	Hyperlink
Gene Summary	This gene encodes diazepam binding inhibitor, a protein that is regulated by hormones and is involved in lipid metabolism and the displacement of beta-carbolines and benzodiazepines, which modulate signal transduction at type A gamma-aminobutyric acid receptors located in brain synapses. The protein is conserved from yeast to mammals, with the most highly conserved domain consisting of seven contiguous residues that constitute the hydrophobic binding site for medium- and long-chain acyl-Coenzyme A esters. Diazepam binding inhibitor is also known to mediate the feedback regulation of pancreatic secretion and the postprandial release of cholecystokinin, in addition to its role as a mediator in corticotropin-dependent adrenal steroidogenesis. Three pseudogenes located on chromosomes 6, 8 and 16 have been identified. Multiple transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq
Other Designations	GABA receptor modulator|acyl coenzyme A binding protein|acyl-Coenzyme A binding domain containing 1|cholecystokinin-releasing peptide, trypsin-sensitive|diazepam binding inhibitor|diazepam binding inhibitor, splice form 1c|endozepine

Pathway

- PPAR signaling pathway

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Disease

- Agoraphobia
- Anxiety Disorders
- Diabetes Mellitus
- Disease Models
- Genetic Predisposition to Disease
- Mental Disorders
- Panic Disorder

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