

Mouse Acyl-CoA-binding protein (DBI) ELISA Kit | DBI elisa kit

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CATALOG #
AAA244333

REACTIVITY
Mouse

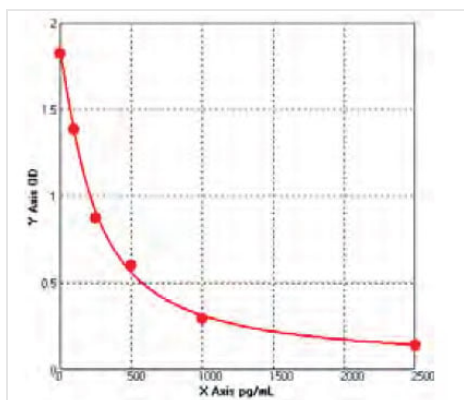
PRODUCT SYNONYMS

Acyl-CoA-binding protein (DBI); Mouse Acyl-CoA-binding protein (DBI) ELISA Kit; DBI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DBI and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DBI elisa kit	Intended Uses: This DBI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse DBI. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: DBI ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DBI antibody and an DBI-HRP conjugate. The assay sample and buffer are incubated together with DBI-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the DBI concentration since DBI from samples and DBI-HRP conjugate compete for the anti-DBI antibody binding site. Since the number of sites is limited, as more sites are occupied by DBI from the sample, fewer sites are left to bind DBI-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DBI concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	544063486
NCBI GeneID	1622
NCBI Accession #	NP_001269565.1
NCBI GenBank Nucleotide #	NM_001282636.1
Molecular Weight	13,911 Da
NCBI Official Full Name	acyl-CoA-binding protein isoform 7
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.