

Rat Acyl-CoA-Binding Protein (DBI) ELISA Kit | DBI elisa kit

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CATALOG #
AAA247282

REACTIVITY
Rat

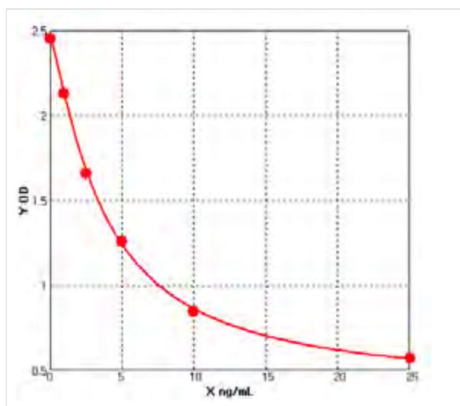
PRODUCT SYNONYMS

Acyl-CoA-Binding Protein (DBI); Rat Acyl-CoA-Binding Protein (DBI) ELISA Kit; DBI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Sequence Length	87
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DBI elisa kit	Principle of the Assay: DBI ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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. Intended Uses: This DBI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat DBI. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for DBI elisa kit	Neuroscience; Metabolism

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	11,793 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/rat-elisa-kits/acyl-coa-binding-protein-dbi/247282>