

## Human DBI (Diazepam-binding inhibitor) ELISA Kit | DBI elisa kit

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CATALOG #  
**AAA251186**

REACTIVITY  
**Human**

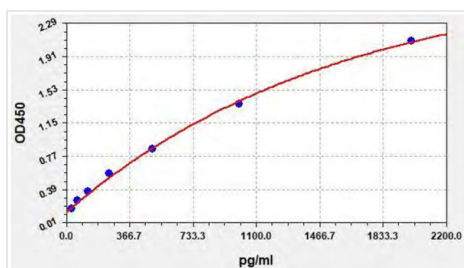
### PRODUCT SYNONYMS

DBI (Diazepam-binding inhibitor); Human DBI (Diazepam-binding inhibitor) ELISA Kit; DBI; Diazepam-binding inhibitor; DBI elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                        |
| Specificity             | Specifically recognize DBI, no obvious cross reaction with other analogues                                                                                   |
| Assay Type              | Sandwich                                                                                                                                                     |
| Samples                 | Serum, plasma, cell culture supernatant and other biological samples                                                                                         |
| Detection Range         | 31.25-2000pg/ml                                                                                                                                              |
| Sensitivity             | 18.75pg/ml                                                                                                                                                   |
| Intra-assay Precision   | Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.                                                    |
| Inter-assay Precision   | Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.                                        |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for DBI elisa kit

**Principle of the Assay:** This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti DBI antibody was precoated onto the 96-well plate. The biotin conjugated anti DBI antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with DBI conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of DBI in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 118276                                                                                                                                                                                                                                                          |
| NCBI GeneID                      | 1622                                                                                                                                                                                                                                                            |
| UniProt Accession #              | P07108; P08869; Q4VWZ6; Q53SQ7; Q6IB48; Q9UCI8; B8ZWD2; B8ZWD6; B8ZWD7                                                                                                                                                                                          |
| Molecular Weight                 | 87                                                                                                                                                                                                                                                              |
| NCBI Official Full Name          | Acyl-CoA-binding protein                                                                                                                                                                                                                                        |
| 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 |
| 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://www.aaabiotech.com/human-elisa-kits/dbi-diazepam-binding-inhibitor/251186>