Acyl-Coa-Binding Domain-Containing Protein 6 (ACBD6) ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	Acyl-CoA-binding domain-containing protein 6 (ACBD6), ELISA Kit
Full Product Name	Rat Acyl-CoA-binding domain-containing protein 6 (ACBD6) ELISA Kit
Product Gene Name	ACBD6 elisa kit
Species Reactivity	Rat
Assay Type	Sandwich
Samples	Serum, Plasma, Other biological fluids
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat ACBD6. No significant cross-reactivity or interference between Rat ACBD6 and analogues was observed.
Preparation and Storage	Store at 2-8 degree C.
Molecular Weight	30,810 Da
3D Structure	ModBase 3D Structure for Q5RJK8
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ACBD6 elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ACBD6 in samples. An antibody specific for ACBD6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyACBD6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACBD6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ACBD6 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Other Notes	Small volumes of ACBD6 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ACBD6 purchase	MBS280690 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Acyl-CoA-binding domain-containing protein 6 (ACBD6) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ACBD6. The ELISA analytical biochemical technique of the MBS280690 kit is based on ACBD6 antibody-ACBD6 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ACBD6 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ACBD6. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACBD6. It may not necessarily be applicable to this product.

NCBI GI #	58865390
NCBI GeneID	289125
NCBI Accession #	NP_001011906.1
UniProt Primary Accession #	Q5RJK8
UniProt Related Accession #	Q5RJK8
GenBank Nucleotide #	NM_001011906.1
NCBI Official Full Name	acyl-CoA-binding domain-containing protein 6
NCBI Official Synonym Full Names	acyl-CoA binding domain containing 6
NCBI Official Symbol	Acbd6
UniProt Protein Name	Acyl-CoA-binding domain-containing protein 6
Protein Family	Acyl-CoA-binding domain-containing protein
UniProt Gene Name	Acbd6
NCBI Protein Information	acyl-CoA-binding domain-containing protein 6
UniProt Comments for ACBD6	ACBD6: Binds long-chain acyl-coenzyme A molecules with a strong preference for unsaturated C18:1-CoA, lower affinity for unsaturated C20:4-CoA, and very weak affinity for saturated C16:0- CoA. Does not bind fatty acids. Protein type: Lipid-binding Chromosomal Location of Human Ortholog: 13q21 Cellular Component: cytoplasm Molecular Function: fatty-acyl-CoA binding; lipid binding
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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