

Human ATP-binding cassette sub-family D member 3 (ABCD3) ELISA Kit



Catalog No: #EK7626

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Package Size: #EK7626-1 48T #EK7626-2 96T

Description

Product Name	Human ATP-binding cassette sub-family D member 3 (ABCD3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ABC43; PMP70; PXMP1; ATP-binding cassette; sub-family D; member 3 Peroxisomal membrane protein-1 (70kD) dJ824O18.1 (ATP-binding cassette; sub-family D (ALD); member 3 (PMP70; PXMP1)) peroxisomal mem
Accession No.	P28288
Uniprot	P28288
GeneID	5825;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.078 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate ABCD3 in samples. An antibody specific for ABCD3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyABCD3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCD3 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 ABCD3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**ATP-binding cassette sub-family D member 3 is a protein that in humans is encoded by the ABCD3 gene.The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ALD subfamily, which is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. All known peroxisomal ABC transporters are half transporters which require a partner half transporter molecule

to form a functional homodimeric or heterodimeric transporter. This peroxisomal membrane protein likely plays an important role in peroxisome biogenesis.

Note: This product is for in vitro research use only