Mouse Multidrug resistance protein 3 (ABCB4) ELISA Kit

Catalog No: #EK7617

Package Size: #EK7617-1 48T #EK7617-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Multidrug resistance protein 3 (ABCB4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	ABC21; GBD1; MDR2; MDR2/3; MDR3; PFIC-3; PGY3; ATP-binding cassette; subfamily B; member 4|OTTHUMP00000210458|P glycoprotein 3/multiple drug resistance 3|P-glycoprotein-3/multiple drug resistance-3|
Accession No.	P21440
Uniprot	P21440
GeneID	18670;
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:28-1800 pg/mL

Sensitivity:7.8 pg/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 ABCB4 in samples. An antibody specific for ABCB4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyABCB4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCB4 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 ABCB4 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Multidrug resistance protein 3 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 MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This gene encodes a full transporter and member of the p-glycoprotein family of membrane proteins with phosphatidylcholine as its substrate. The function of this protein has not yet been determined;

however, it may involve transport of phospholipids from liver hepatocytes into bile. Alternative splicing of this gene results in several products of undetermined function.

Note: This product is for in vitro research use only