

Human Canalicular multispecific organic anion transporter 2 (ABCC3) ELISA Kit



Catalog No: #EK7622

Orders: order@signalwayantibody.com

Package Size: #EK7622-1 48T #EK7622-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Canalicular multispecific organic anion transporter 2 (ABCC3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ABC31; DKFZp686E22157; EST90757; MLP2; MOAT-D; MRP3; cMOAT2; ATP-binding cassette; sub-family C; member 3 canicular multispecific organic anion transporter multidrug resistance associated protein
Accession No.	O15438
Uniprot	O15438
GeneID	8714;
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:0.312-20 ng/mL

Sensitivity:0.113 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 ABCC3 in samples. An antibody specific for ABCC3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyABCC3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCC3 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 ABCC3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Canalicular multispecific organic anion transporter 2 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 MRP subfamily which is involved in multi-drug resistance. The specific function of this protein has not yet been determined; however, this protein may play a role in the transport of biliary and intestinal excretion of organic anions. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.

Note: This product is for in vitro research use only