Human Multidrug resistance-associated protein 7 (ABCC10) ELISA Kit

Catalog No: #EK7618

Package Size: #EK7618-1 48T #EK7618-2 96T

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

Description

Product Name	Human Multidrug resistance-associated protein 7 (ABCC10) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP5-895C5.1; EST182763; MRP7; SIMRP7; ATP-binding cassette; sub-family C; member 10|multidrug resistance-associated protein 7
Accession No.	Q5T3U5
Uniprot	Q5T3U5
GeneID	89845;
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:0.061 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 ABCC10 in samples. An antibody specific for ABCC10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyABCC10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCC10 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 ABCC10 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Members of the ABC family of membrane proteins, such as ABCC10, are involved in energy-dependent transport of a wide variety of substrates across membranes. The 1,492-amino acid ABCC10 protein has a calculated molecular mass of 162 kD. It contains 2 nucleotide-binding folds, 17 predicted transmembrane segments arranged in 3 transmembrane domains, and 3 predicted N-glycosylation sites. Northern blot analysis was unable to detected ABCC10 expression, but RT-PCR detected ABCC10 expression in all 10 tissues examined. In vitro-translated ABCC10 had an apparent molecular mass of 158 kD by SDS-PAGE.Basal MRP7 promoter activity relied upon a proximal segment of the 5-prime flanking region bearing an E2F site acting cooperatively with 2 closely positioned SP1 sites.

Note: This product is for in vitro research use only