

Mouse Multidrug resistance-associated protein 6 (ABCC6) ELISA Kit

Catalog No: #EK7623

Orders: order@signalwayantibody.com

Package Size: #EK7623-1 48T #EK7623-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Multidrug resistance-associated protein 6 (ABCC6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	ABC34; ARA; EST349056; MLP1; MOATE; MRP6; PXE; PXE1; URG7; ATP-binding cassette; sub-family C; member 6 anthracycline resistance-associated protein
Accession No.	Q9R1S7
Uniprot	Q9R1S7
GeneID	27421;
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:0.124 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:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate ABCC6 in samples. An antibody specific for ABCC6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCC6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCC6 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 ABCC6 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Product Overview:Multidrug resistance-associated protein 6 is 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 multidrug resistance.Defects in ABCC6 are the cause of pseudoxanthoma elasticum (PXE). PXE is a disorder characterized by calcification of elastic fibers in skin, arteries and retina that results in dermal lesions with associated laxity and loss of elasticity, arterial insufficiency and retinal hemorrhages leading to macular degeneration.

Note: This product is for in vitro research use only