Human ATP-binding cassette sub-family C member 8 (ABCC8) ELISA Kit

Catalog No: #EK7624

Package Size: #EK7624-1 48T #EK7624-2 96T

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

Description

Product Name	Human ATP-binding cassette sub-family C member 8 (ABCC8) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ABC36; HHF1; HI; HRINS; MRP8; PHHI; SUR; SUR1; TNDM2; ATP-binding cassette; sub-family C; member 8|sulfonylurea receptor (hyperinsulinemia)
Accession No.	Q09428
Uniprot	Q09428
GeneID	6833;
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:1.25-20 ng/mL

Sensitivity:0.52 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 ABCC8 in samples. An antibody specific for ABCC8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyABCC8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCC8 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 ABCC8 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:ABCC8 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. This protein functions as a modulator of ATP-sensitive potassium channels and insulin release. Mutations and deficiencies in this protein have been observed in patients with hyperinsulinemic hypoglycemia of infancy, an autosomal recessive disorder of unregulated and high insulin secretion. Mutations have also been associated with non-insulin-dependent diabetes mellitus type II, an autosomal dominant disease of defective insulin secretion.

Note: This product is for in vitro research use only