

# Human ATP-binding cassette sub-family C member 11 (ABCC11) ELISA Kit

Catalog No: #EK7619

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Package Size: #EK7619-1 48T #EK7619-2 96T

## Description

Product Name	Human ATP-binding cassette sub-family C member 11 (ABCC11) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	EWWD; MRP8; WW; ATP-binding cassette protein C11 ATP-binding cassette transporter MRP8 ATP-binding cassette; sub-family C; member 11 OTTHUMP00000164191 multi-resistance protein 8
Accession No.	Q96J66
Uniprot	Q96J66
GeneID	85320;
Storage	<p>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.</p> <p>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).</p>

## Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.103 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 ABCC11 in samples. An antibody specific for ABCC11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCC11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCC11 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 ABCC11 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview: ABCC11 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 ABC full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. The product of this gene participates in physiological processes involving bile acids, conjugated steroids, and cyclic nucleotides. In addition, an SNP in this gene is responsible for determination of human earwax type. This gene and family member ABCC12 are determined to be derived by duplication and are both localized to chromosome 16q12.1. Multiple alternatively spliced transcript variants have been described for this gene.

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Note: This product is for in vitro research use only