

Human Canalicular Multispecific Organic Anion Transporter 1 (ABCC2) ELISA Kit | ABCC2 elisa kit

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CATALOG # AAA331053	REACTIVITY Human
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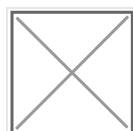
PRODUCT SYNONYMS

Canalicular Multispecific Organic Anion Transporter 1 (ABCC2); Human Canalicular Multispecific Organic Anion Transporter 1 (ABCC2) ELISA Kit; ABCC2; ABC30; CMOAT; DJS; KIAA1010; MRP2; cMRP; canalicular multispecific organic anion transporter; ABCC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Canalicular multispecific organic anion transporter 1 (ABCC2) ELISA Kit has high sensitivity and excellent specificity for detection of Human ABCC2. No significant cross-reactivity or interference between Human ABCC2 and analogues was observed.
Sequence Length	1545
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Canalicular multispecific organic anion transporter 1 (ABCC2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ABCC2 elisa kit	Description: This Human Canalicular multispecific organic anion transporter 1 (ABCC2) ELISA Kit employs a two-site sandwich ELISA to quantitate ABCC2 in samples. An antibody specific for ABCC2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCC2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCC2 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 ABCC2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ABCC2 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).his protein is a member of the MRP subfamily, which is involved in multi-drug resistance. This protein is expressed in the canalicular (apical) part of the hepatocyte and functions in biliary transport. Substrates include anticancer drugs such as vinblastine; therefore, this protein appears to contribute to drug resistance in mammalian cells. Several different mutations in this gene have been observed in patients with Dubin-Johnson syndrome (DJS), an autosomal recessive disorder characterized by conjugated hyperbilirubinemia.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557481
NCBI GeneID	1244
NCBI Accession #	NP_000383.1
NCBI GenBank Nucleotide #	NP_000383.1
UniProt Accession #	Q92887
NCBI Official Full Name	canalicular multispecific organic anion transporter 1
NCBI Official Synonym Full Names	ATP binding cassette subfamily C member 2
NCBI Official Symbol	ABCC2
NCBI Official Synonym Symbols	DJS; MRP2; cMRP; ABC30; CMOAT
NCBI Protein Information	canalicular multispecific organic anion transporter 1
UniProt Protein Name	Canalicular multispecific organic anion transporter 1
UniProt Gene Name	ABCC2
UniProt Synonym Gene Names	CMOAT; CMOAT1; CMRP; MRP2
UniProt Entry Name	MRP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/canalicular-multispecific-organic-anion-transporter-1-abcc2/331053>