

Human Multidrug Resistance-Associated Protein 1 (ABCC1) ELISA Kit | ABCC1 elisa kit

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CATALOG #
AAA331048

REACTIVITY
Human

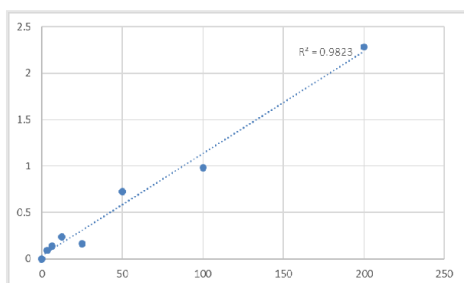
PRODUCT SYNONYMS

Multidrug Resistance-Associated Protein 1 (ABCC1); Human Multidrug Resistance-Associated Protein 1 (ABCC1) ELISA Kit; ABCC1; ABC29; ABCC; DKFZp686N04233; DKFZp781G125; GS-X; MRP; MRP1; ATP-binding cassette; sub-family C; member 1; LTC4 transporter; leukotriene C(4) transporter; multidrug resistance protein; multiple drug resi; ABCC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Multidrug resistance-associated protein 1 (ABCC1) ELISA Kit has high sensitivity and excellent specificity for detection of Human ABCC1. No significant cross-reactivity or interference between Human ABCC1 and analogues was observed.
Sequence Length	1530
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 Multidrug resistance-associated protein 1 (ABCC1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ABCC1 elisa kit	Description: This Human Multidrug resistance-associated protein 1 (ABCC1) ELISA Kit employs a two-site sandwich ELISA to quantitate ABCC1 in samples. An antibody specific for ABCC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCC1 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 ABCC1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Multidrug resistance-associated protein 1 (MRP1) is a protein that in humans is encoded by the ABCC1 gene. The protein encoded by this gene 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 full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions as a multispecific organic anion transporter, with oxidized glutathione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transports glucuronides and sulfate conjugates of steroid hormones and bile salts. Alternative splicing by exon deletion results in several splice variants but maintains the original open reading frame in all forms.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27806339
NCBI GeneID	281588
NCBI Accession #	NP_776648.1
NCBI GenBank Nucleotide #	NP_776648.1
UniProt Accession #	Q8HXQ5
NCBI Official Full Name	multidrug resistance-associated protein 1
NCBI Official Synonym Full Names	ATP binding cassette subfamily C member 1
NCBI Official Symbol	ABCC1
NCBI Protein Information	multidrug resistance-associated protein 1
UniProt Protein Name	Multidrug resistance-associated protein 1
UniProt Gene Name	ABCC1
UniProt Synonym Gene Names	MRP1; LTC4 transporter
UniProt Entry Name	MRP1_BOVIN

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.