

Human Multidrug Resistance-Associated Protein 7 (ABCC10) ELISA Kit | ABCC10 elisa kit

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CATALOG #
AAA331049

REACTIVITY
Human

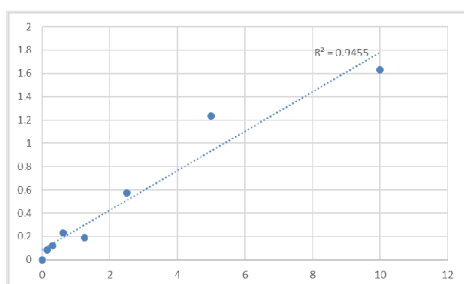
PRODUCT SYNONYMS

Multidrug Resistance-Associated Protein 7 (ABCC10); Human Multidrug Resistance-Associated Protein 7 (ABCC10) ELISA Kit; ABCC10; RP5-895C5.1; EST182763; MRP7; SIMRP7; ATP-binding cassette; sub-family C; member 10; multidrug resistance-associated protein 7; ABCC10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Multidrug resistance-associated protein 7 (ABCC10) ELISA Kit has high sensitivity and excellent specificity for detection of Human ABCC10. No significant cross-reactivity or interference between Human ABCC10 and analogues was observed.
Sequence Length	1492
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 7 (ABCC10) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ABCC10 elisa kit	Description: This Human Multidrug resistance-associated protein 7 (ABCC10) ELISA Kit employs a two-site sandwich ELISA to quantitate ABCC10 in samples. An antibody specific for ABCC10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCC10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCC10 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 ABCC10 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Members of the ABC family of membrane proteins, such as ABCC10, are involved in energy-dependent transport of a wide variety of substrates across membranes. The 1,492-amino acid ABCC10 protein has a calculated molecular mass of 162 kD. It contains 2 nucleotide-binding folds, 17 predicted transmembrane segments arranged in 3 transmembrane domains, and 3 predicted N-glycosylation sites. Northern blot analysis was unable to detected ABCC10 expression, but RT-PCR detected ABCC10 expression in all 10 tissues examined. In vitro-translated ABCC10 had an apparent molecular mass of 158 kD by SDS-PAGE. Basal MRP7 promoter activity relied upon a proximal segment of the 5-prime flanking region bearing an E2F site acting cooperatively with 2 closely positioned SP1 sites.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312176403
NCBI GeneID	89845
NCBI Accession #	NP_001185863.1
NCBI GenBank Nucleotide #	NP_001185863.1
UniProt Accession #	Q5T3U5
NCBI Official Full Name	multidrug resistance-associated protein 7 isoform MRP7
NCBI Official Synonym Full Names	ATP binding cassette subfamily C member 10
NCBI Official Symbol	ABCC10
NCBI Official Synonym Symbols	MRP7; SIMRP7; EST182763
NCBI Protein Information	multidrug resistance-associated protein 7
UniProt Protein Name	Multidrug resistance-associated protein 7
UniProt Gene Name	ABCC10
UniProt Synonym Gene Names	MRP7; SIMRP7
UniProt Entry Name	MRP7_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.