

Human Multidrug Resistance-Associated Protein 4 (ABCC4) ELISA Kit | ABCC4 elisa kit

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CATALOG #
AAA331055

REACTIVITY
Human

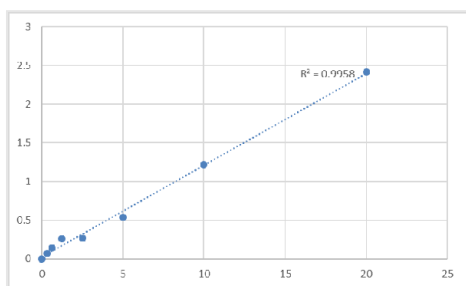
PRODUCT SYNONYMS

Multidrug Resistance-Associated Protein 4 (ABCC4); Human Multidrug Resistance-Associated Protein 4 (ABCC4) ELISA Kit; ABCC4; RP11-74A12.1; EST170205; MOAT-B; MOATB; MRP4; ATP-binding cassette; sub-family C; member 4; bA464I2.1 (ATP-binding cassette; sub-family C (CFTR/MRP); member 4); canalicular multispecific organic anion; ABCC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Multidrug resistance-associated protein 4 (ABCC4) ELISA Kit has high sensitivity and excellent specificity for detection of Human ABCC4. No significant cross-reactivity or interference between Human ABCC4 and analogues was observed.
Sequence Length	1325
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 4 (ABCC4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ABCC4 elisa kit	Description: This Human Multidrug resistance-associated protein 4 (ABCC4) ELISA Kit employs a two-site sandwich ELISA to quantitate ABCC4 in samples. An antibody specific for ABCC4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCC4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCC4 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 ABCC4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ABCC4, also known as MRP4, belongs to a large family of transmembrane proteins involved in active transport of substrates out of cells. ABCC4 acts as an independent regulator of intracellular cyclic nucleotide levels and as a mediator of cAMP-dependent signal transduction to the nucleus. The insertion was attributed to 2 additional exons, designated 1a and 1b, that produced premature termination codons (PTCs). A comparison of human, monkey, and rodent ABCC4 genes revealed that these same PTC-producing exons were also highly conserved in evolution. In vitro inhibition of protein synthesis (using puromycin or anisomycin) selectively reduced nonsense-mediated mRNA decay of PTC-containing ABCC4 transcripts in all cell lines tested.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	206729914
NCBI GeneID	10257
UniProt Accession #	O15439
NCBI Official Full Name	Multidrug resistance-associated protein 4
NCBI Official Synonym Full Names	ATP binding cassette subfamily C member 4
NCBI Official Symbol	ABCC4
NCBI Official Synonym Symbols	MRP4; MOATB; MOAT-B
NCBI Protein Information	multidrug resistance-associated protein 4
UniProt Protein Name	Multidrug resistance-associated protein 4
UniProt Gene Name	ABCC4
UniProt Synonym Gene Names	MRP4; MOAT-B
UniProt Entry Name	MRP4_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://www.aaabiotech.com/human-elisa-kits/multidrug-resistance-associated-protein-4-abcc4/331055>