

Human Multidrug Resistance-Associated Protein 9 (ABCC12) ELISA Kit | ABCC12 elisa kit

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CATALOG #
AAA331051

REACTIVITY
Human

PRODUCT SYNONYMS

Multidrug Resistance-Associated Protein 9 (ABCC12); Human Multidrug Resistance-Associated Protein 9 (ABCC12) ELISA Kit; ABCC12; MGC27071; MRP9; ATP-binding cassette protein C12; ATP-binding cassette transporter sub-family C member 12; multidrug resistance-associated protein 9; ABCC12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Multidrug resistance-associated protein 9 (ABCC12) ELISA Kit has high sensitivity and excellent specificity for detection of Human ABCC12. No significant cross-reactivity or interference between Human ABCC12 and analogues was observed.
Sequence Length	1359
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	<ul style="list-style-type: none"> * 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 9 (ABCC12) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ABCC12 elisa kit	<p>Description: This Human Multidrug resistance-associated protein 9 (ABCC12) ELISA Kit employs a two-site sandwich ELISA to quantitate ABCC12 in samples. An antibody specific for ABCC12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCC12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCC12 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 ABCC12 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: Multidrug resistance-associated protein 9 is a member of the superfamily of ATP-binding cassette (ABC) transporters and the encoded protein contains two ATP-binding domains and 12 transmembrane regions. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies: ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White. This gene is a member of the MRP subfamily which is involved in multi-drug resistance. This gene and another subfamily member are arranged head-to-tail on chromosome 16q12.1. Increased expression of this gene is associated with breast cancer.Expressed in testis (at protein level). Widely expressed at low level. Isoform 5 is specifically expressed in brain, testis and breast cancer cells.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	89111135
NCBI GeneID	94160
NCBI Accession #	NP_150229.2
NCBI GenBank Nucleotide #	NP_150229.2
UniProt Accession #	Q96J65
NCBI Official Full Name	multidrug resistance-associated protein 9
NCBI Official Synonym Full Names	ATP binding cassette subfamily C member 12
NCBI Official Symbol	ABCC12
NCBI Official Synonym Symbols	MRP9
NCBI Protein Information	multidrug resistance-associated protein 9
UniProt Protein Name	Multidrug resistance-associated protein 9
UniProt Gene Name	ABCC12
UniProt Synonym Gene Names	MRP9
UniProt Entry Name	MRP9_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.