

Human ATP Binding Cassette Transporter C5 (ABCC5) ELISA Kit | ABCC5 elisa kit

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CATALOG #
AAA68100

REACTIVITY
Human

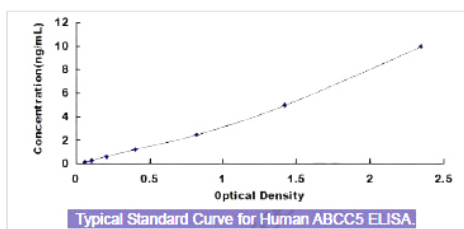
PRODUCT SYNONYMS

ATP Binding Cassette Transporter C5 (ABCC5); Human ATP Binding Cassette Transporter C5 (ABCC5) ELISA Kit; ABCC5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ABCC5. No significant cross-reactivity or interference between ABCC5 and analogues was observed.
Sequence Length	1,394
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.051ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ABCC5 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ABCC5 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCC5 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ABCC5 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ABCC5. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ABCC5. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ABCC5, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ABCC5 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66529093
NCBI GeneID	10057
NCBI Accession #	NP_001018881.1
NCBI GenBank Nucleotide #	NM_001023587.2
UniProt Accession #	O15440; O14517; Q29ZA9; Q29ZB1; Q86UX3; Q86W30; Q9UN85; Q9UNP5; Q9UQC3; B9EIQ2
Molecular Weight	155,732 Da
NCBI Official Full Name	multidrug resistance-associated protein 5 isoform 2
NCBI Official Synonym Full Names	ATP binding cassette subfamily C member 5
NCBI Official Symbol	ABCC5
NCBI Official Synonym Symbols	MRP5; SMRP; ABC33; MOATC; MOAT-C; pABC11; EST277145
NCBI Protein Information	multidrug resistance-associated protein 5
UniProt Protein Name	Multidrug resistance-associated protein 5
UniProt Gene Name	ABCC5
UniProt Synonym Gene Names	MRP5; MOAT-C

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/atp-binding-cassette-transporter-c5-abcc5/68100>