

Human ATP-binding cassette, sub-family C (CFTR/MRP) , member 5 ELISA Kit | ABCC5 elisa kit

Human Soluble Mesothelin Related Peptide, SMRP ELISA Kit

CATALOG #
AAA15162

REACTIVITY
Human

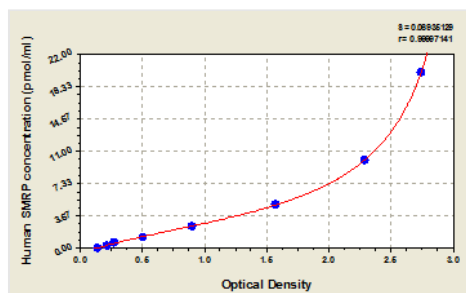
PRODUCT SYNONYMS

ATP-binding cassette; sub-family C (CFTR/MRP); member 5; Human Soluble Mesothelin Related Peptide; SMRP ELISA Kit; Human Soluble Mesothelin Related Peptide (SMRP) ELISA Kit; ABC33; DKFZp686C1782; EST277145; MOAT-C; MOATC; MRP5; SMRP; pABC11; sub-family C; canalicular multispecific organic anion transporter C; ABCC5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human SMRP. No significant cross-reactivity or interference between human SMRP and analogues was observed.
Sequence Length	208
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	0.312 pmol/ml - 20 pmol/ml.
Sensitivity	The minimum detectable dose of human SMRP is typically less than 0.078 pmol/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCC5 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SMRP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SMRP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SMRP is added to the wells. After washing, avidin 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 SMRP bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66529093
NCBI GeneID	10057
NCBI Accession #	NP_001018881.1
NCBI GenBank Nucleotide #	NM_001023587.1
UniProt Accession #	O15440; O14517; Q29ZA9; Q29ZB1; Q86UX3; Q86W30; Q9UN85; Q9UNP5; Q9UQC3; B9EIQ2
Molecular Weight	160,660 Da
NCBI Official Full Name	multidrug resistance-associated protein 5 isoform 2
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family C (CFTR/MRP), 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; ATP-binding cassette sub-family C member 5; multi-specific organic anion transporter C; canalicular multispecific organic anion transporter C
UniProt Protein Name	Multidrug resistance-associated protein 5
UniProt Gene Name	ABCC5
UniProt Synonym Gene Names	MRP5; MOAT-C
UniProt Entry Name	MRP5_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://stage.aaabiotech.com/abcc5-human-elisa-kits/atp-binding-cassette-sub-family-c-cftr-mrp-member-5/15162>