

Human Multidrug resistance-associated protein 1 ELISA Kit | ABCC1 elisa kit

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CATALOG #
AAA100406

REACTIVITY
Human

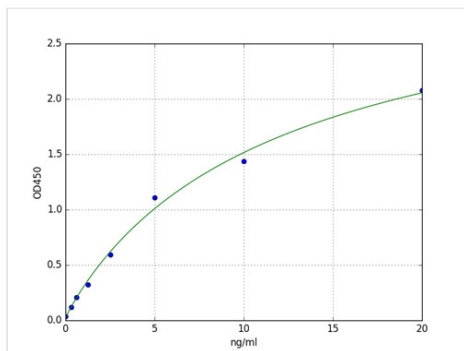
PRODUCT SYNONYMS

Multidrug resistance-associated protein 1; Human Multidrug resistance-associated protein 1 ELISA Kit; MRP1 (Multidrug Resistance Associated Protein 1)/ABCC1/GS-X/ABC29/ABCC/ATP-binding cassette sub-family C member 1/GS-X/LTC4 transporter/multidrug resistance protein/multidrug resistance-associated protein 1/multiple drug resistance protein 1/multiple drug resistance-associated protein; ABCC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1531
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human MRP1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.028	0.056	0.080	0.151	0.276	0.537	1.171	2.286

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCC1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human MRP1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human MRP1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human MRP1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human MRP1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	134142337
NCBI GeneID	4363
NCBI Accession #	NP_004987.2
NCBI GenBank Nucleotide #	NM_004996.3
Molecular Weight	172,640 Da
NCBI Official Full Name	multidrug resistance-associated protein 1
NCBI Official Synonym Full Names	ATP binding cassette subfamily C member 1
NCBI Official Symbol	ABCC1
NCBI Official Synonym Symbols	MRP; ABCC; GS-X; MRP1; ABC29
NCBI Protein Information	multidrug resistance-associated protein 1
UniProt Protein Name	Multidrug resistance-associated protein 1
UniProt Gene Name	ABCC1
UniProt Synonym Gene Names	MRP; MRP1; LTC4 transporter
UniProt Entry Name	MRP1_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/abcc1-human-elisa-kits/multidrug-resistance-associated-protein-1/100406>