

Human ATP Binding Cassette Transporter G2 (ABCG2) ELISA Kit | ABCG2 elisa kit

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CATALOG #
AAA67253

REACTIVITY
Human

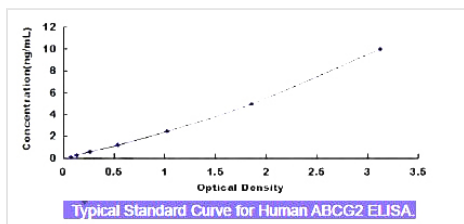
PRODUCT SYNONYMS

ATP Binding Cassette Transporter G2 (ABCG2); Human ATP Binding Cassette Transporter G2 (ABCG2) ELISA Kit; CDw338; CD338; ABC-G2; MRX; BCRP1; ABC15; ABCP; BCRP; BMDP; MXR; MXR1; Mitoxantrone resistance-associated protein; Breast Cancer Resistance Protein 1; Urate exporter; ABCG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ABCG2. No significant cross-reactivity or interference between ABCG2 and analogues was observed.
Sequence Length	611
Samples	Human tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ABCG2 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 ABCG2 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 ABCG2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ABCG2 in human tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ABCG2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ABCG2. 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 ABCG2, 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 ABCG2 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 #	383792176
NCBI GeneID	9429
NCBI Accession #	NP_001244315.1
NCBI GenBank Nucleotide #	NM_001257386.1
UniProt Accession #	Q9UNQ0; Q95374; Q4W5I3; Q53ZQ1; Q569L4; Q5YLG4; Q86V64; Q8IX16; Q96LD6; Q96TA8; A0A1W3; A8K1T5
Molecular Weight	67,453 Da
NCBI Official Full Name	ATP-binding cassette sub-family G member 2 isoform 2
NCBI Official Synonym Full Names	ATP binding cassette subfamily G member 2 (Junior blood group)
NCBI Official Symbol	ABCG2
NCBI Official Synonym Symbols	MRX; MXR; ABCP; BCRP; BMDP; MXR1; ABC15; BCRP1; CD338; GOUT1; MXR-1; CDw338; UAQTL1; EST157481
NCBI Protein Information	ATP-binding cassette sub-family G member 2
UniProt Protein Name	ATP-binding cassette sub-family G member 2
UniProt Gene Name	ABCG2
UniProt Synonym Gene Names	ABCP; BCRP; BCRP1; MXR

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-g2-abcg2/67253>