

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

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CATALOG #
AAA65625

REACTIVITY
Mouse

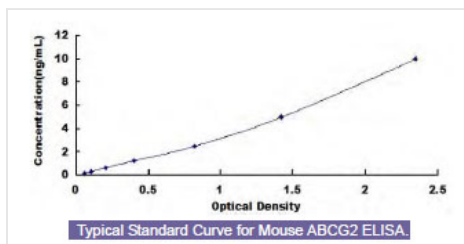
PRODUCT SYNONYMS

ATP Binding Cassette Transporter G2 (ABCG2); Mouse 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	Mouse
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	657
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/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 in vitro quantitative measurement of ABCG2 in mouse tissue homogenates and 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 #	6752944
NCBI GeneID	26357
NCBI Accession #	NP_036050.1
NCBI GenBank Nucleotide #	NM_011920.3
UniProt Accession #	Q7TMS5; Q9R004; Q9Z1T0
Molecular Weight	72,978 Da
NCBI Official Full Name	ATP-binding cassette sub-family G member 2
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family G (WHITE), member 2
NCBI Official Symbol	Abcg2
NCBI Official Synonym Symbols	MXR; ABCP; BCRP; MXR1; ABC15; Bcrp1; AI428558
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; Bcrp1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/atp-binding-cassette-transporter-g2-abcg2/65625>