

Human ATP-binding cassette transporter G2 ELISA Kit | ABCG2 elisa kit

Human ATP-binding cassette transporter G2 (ABCG2) ELISA Kit

CATALOG # AAA55643	REACTIVITY Human
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PRODUCT SYNONYMS

ATP-binding cassette transporter G2; Human ATP-binding cassette transporter G2 (ABCG2) ELISA Kit; ABCG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human ABCG2. No significant cross-reactivity or interference between Human ABCG2 and analogues was observed.
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for ABCG2 elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ABCG2 in samples. An antibody specific for ABCG2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyABCG2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCG2 is added to the wells. After washing, Streptavidin 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 ABCG2 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 #	383792176
NCBI GeneID	9429
NCBI Accession #	NP_001244315.1
NCBI GenBank Nucleotide #	NM_001257386.2
UniProt Accession #	Q9UNQ0 ; O95374 ; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/abcg2-human-elisa-kits/atp-binding-cassette-transporter-g2/55643>