

Human ATP Binding Cassette Transporter G1 (ABCG1) ELISA Kit | ABCG1 elisa kit

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CATALOG #
AAA67271

REACTIVITY
Human

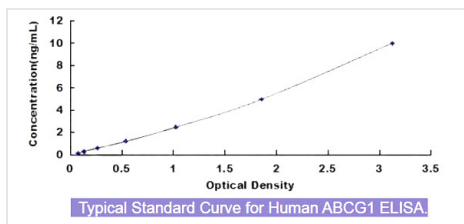
PRODUCT SYNONYMS

ATP Binding Cassette Transporter G1 (ABCG1); Human ATP Binding Cassette Transporter G1 (ABCG1) ELISA Kit; ABC-G1; ABC8; WHITE1; WHT1; ATP-Binding Cassette Transporter 8; White protein homolog; ABCG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ABCG1. No significant cross-reactivity or interference between ABCG1 and analogues was observed.
Sequence Length	678
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ABCG1 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 ABCG1 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 ABCG1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ABCG1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ABCG1. 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 ABCG1, 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 ABCG1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ABCG1 in human tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46592915
NCBI GeneID	9619
NCBI Accession #	NP_004906.3
NCBI GenBank Nucleotide #	NM_004915.3
UniProt Accession #	P45844; Q86SU8; Q96L76; Q9B XK6; Q9B XK7; Q9B XK8; Q9B XK9; Q9B XL0; Q9B XL1; Q9B XL2; Q9B XL3; Q9B XL4
Molecular Weight	86,628 Da
NCBI Official Full Name	ATP-binding cassette sub-family G member 1 isoform 4
NCBI Official Synonym Full Names	ATP binding cassette subfamily G member 1
NCBI Official Symbol	ABCG1
NCBI Official Synonym Symbols	ABC8; WHITE1
NCBI Protein Information	ATP-binding cassette sub-family G member 1
UniProt Protein Name	ATP-binding cassette sub-family G member 1
UniProt Gene Name	ABCG1
UniProt Synonym Gene Names	ABC8; WHT1

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/human-elisa-kits/atp-binding-cassette-transporter-g1-abcg1/67271>