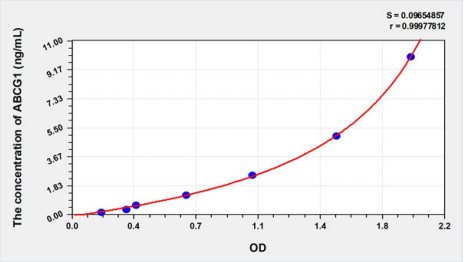
ABCG1 (ATP Binding Cassette Transporter G1) (ABCG1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	ABCG1 (ATP Binding Cassette Transporter G1), ELISA Kit
Full Product Name	Human ABCG1 (ATP Binding Cassette Transporter G1) ELISA Kit
Product Gene Name	ABCG1 elisa kit
Product Synonym Names	ABC-G1; ABC8; WHITE1; WHT1; ATP-Binding Cassette Transporter 8; White protein homolog
Species Reactivity	Human
Assay Type	Sandwich
Samples	tissue homogenates, cell lysates and other biological fluids
Detection Range	0.16-10 ng/mL
Sensitivity	0.054 ng/mL
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.
Inter-assay Precision	CV%<10%
Intra-assay Precision	CV%<8%
Product Categories/Family for ABCG1 elisa kit	Signal transduction
Related Product Information for ABCG1 elisa kit	Principle of the assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to ATP Binding Cassette Transporter G1(ABCG1). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to ATP Binding Cassette Transporter G1(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 ATP Binding Cassette Transporter G1(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 ATP Binding Cassette Transporter G1(ABCG1) in the samples is then determined by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of ABCG1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ABCG1 purchase	MBS8800854 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the ABCG1 (ATP Binding Cassette Transporter G1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ABCG1. The ELISA analytical biochemical technique of the MBS8800854 kit is based on ABCG1 antibody-ABCG1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ABCG1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ABCG1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of ABCG1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABCG1. It may not necessarily be applicable to this product.

Protein Family	ABC transporter G family
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/human-elisa-kits/abcg1-atp-binding-cassette-transporter-g1/8800854