

# Monkey ATP Binding Cassette Transporter G1 ELISA Kit | ABCG1 elisa kit

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|                              |                             |
|------------------------------|-----------------------------|
| CATALOG #<br><b>AAA91120</b> | REACTIVITY<br><b>Monkey</b> |
|------------------------------|-----------------------------|

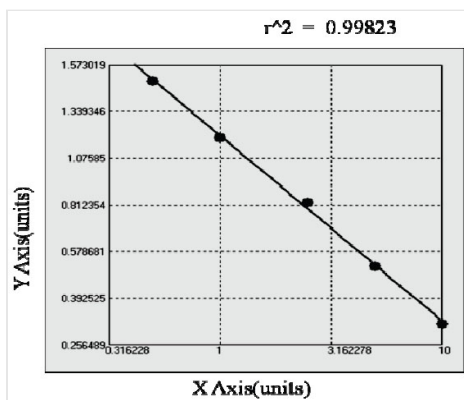
## PRODUCT SYNONYMS

ATP Binding Cassette Transporter G1; Monkey ATP Binding Cassette Transporter G1 ELISA Kit; ABCG1 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                |
| Assay Type              | Sandwich                                                                                                                                                                                  |
| Detection Range         | 0.5-10ng/mL                                                                                                                                                                               |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                                  |
| Intended Uses           | This ABCG1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey ABCG1. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                       |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for ABCG1 elisa kit

**Principle of the Assay:** ABCG1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ABCG1 antibody and an ABCG1-HRP conjugate. The assay sample and buffer are incubated together with ABCG1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ABCG1 concentration since ABCG1 from samples and ABCG1-HRP conjugate compete for the anti-ABCG1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ABCG1 from the sample, fewer sites are left to bind ABCG1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ABCG1 concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 16304311                                                                                                                                                                                                                                             |
| NCBI GeneID                      | 9619                                                                                                                                                                                                                                                 |
| Molecular Weight                 | 86,628 Da                                                                                                                                                                                                                                            |
| NCBI Official Full Name          | ATP-binding cassette transporter G1                                                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | ATP-binding cassette, sub-family G (WHITE), member 1                                                                                                                                                                                                 |
| NCBI Official Symbol             | ABCG1                                                                                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | ABC8; WHITE1                                                                                                                                                                                                                                         |
| NCBI Protein Information         | ATP-binding cassette sub-family G member 1; ABC transporter 8; homolog of Drosophila white; ATP-binding cassette transporter 8; ATP-binding cassette transporter member 1 of subfamily G; white protein homolog (ATP-binding cassette transporter 8) |
| UniProt Protein Name             | ATP-binding cassette sub-family G member 1                                                                                                                                                                                                           |
| UniProt Gene Name                | <b>ABCG1</b>                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | ABC8; WHT1                                                                                                                                                                                                                                           |
| UniProt Entry Name               | ABCG1_HUMAN                                                                                                                                                                                                                                          |

**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/abcg1-monkey-elisa-kits/atp-binding-cassette-transporter-g1/91120>