

## Goat ATP Binding Cassette Transporter A1 ELISA Kit | ABCA1 elisa kit

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CATALOG #  
**AAA92775**

REACTIVITY  
**Goat**

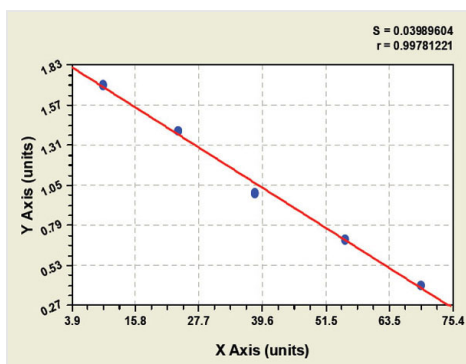
### PRODUCT SYNONYMS

ATP Binding Cassette Transporter A1; Goat ATP Binding Cassette Transporter A1 ELISA Kit; ABCA1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Goat                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                              |
| Assay Type              | Competitive                                                                                                                                                                             |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                              |
| Intended Uses           | This ABCA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat ABCA1. 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 ABCA1 elisa kit

**Principle of the Assay:** ABCA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ABCA1 antibody and an ABCA1-HRP conjugate. The assay sample and buffer are incubated together with ABCA1-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 ABCA1 concentration since ABCA1 from samples and ABCA1-HRP conjugate compete for the anti-ABCA1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ABCA1 from the sample, fewer sites are left to bind ABCA1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ABCA1 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for ABCA1 elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 21536376                                                                                                                               |
| NCBI GeneID                      | 19                                                                                                                                     |
| NCBI Accession #                 | NP_005493.2                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_005502.3                                                                                                                            |
| Molecular Weight                 | 254,302 Da                                                                                                                             |
| NCBI Official Full Name          | ATP-binding cassette sub-family A member 1                                                                                             |
| NCBI Official Synonym Full Names | ATP-binding cassette, sub-family A (ABC1), member 1                                                                                    |
| NCBI Official Symbol             | ABCA1                                                                                                                                  |
| NCBI Official Synonym Symbols    | TGD; ABC1; CERP; ABC-1; HDLDT1                                                                                                         |
| NCBI Protein Information         | ATP-binding cassette sub-family A member 1; membrane-bound; ATP-binding cassette transporter A1; cholesterol efflux regulatory protein |
| UniProt Protein Name             | ATP-binding cassette sub-family A member 1                                                                                             |
| UniProt Gene Name                | <b>ABCA1</b>                                                                                                                           |
| UniProt Synonym Gene Names       | ABC1; CERP; ABC-1; ATP-binding cassette 1                                                                                              |
| UniProt Entry Name               | ABCA1_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://www.aaabiotech.com/abca1-goat-elisa-kits/atp-binding-cassette-transporter-a1/92775>