

Rat ATP Binding Cassette Transporter A1 ELISA Kit | ABCA1 elisa kit

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CATALOG #
AAA98511

REACTIVITY
Rat

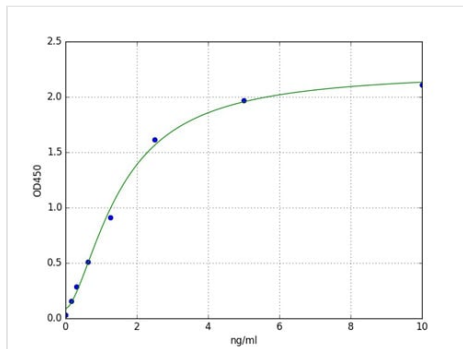
PRODUCT SYNONYMS

ATP Binding Cassette Transporter A1; Rat ATP Binding Cassette Transporter A1 ELISA Kit; ABCA1 (ATP-binding cassette transporter A1)/ABC1/CERP/HDLDT1/TGD/ABC-1/ATP-binding cassette 1/ATP-binding cassette transporter 1/ATP-binding cassette; sub-family A; member 1/Cholesterol efflux regulatory protein/membrane-bound/TGDATP-binding cassette sub-family A member 1; ABCA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	2261
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a Rat ABCA1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.024	0.121	0.229	0.354	0.781	1.276	1.894	2.279

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCA1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat ABCA1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat ABCA1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat ABCA1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat ABCA1 can be calculated.

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 subfamily A 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
UniProt Protein Name	ATP-binding cassette sub-family A member 1
UniProt Gene Name	ABCA1
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://stage.aaabiotech.com/abca1-rat-elisa-kits/atp-binding-cassette-transporter-a1/98511>