

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

Canine ATP Binding Cassette Transporter A1 ELISA Kit

CATALOG #
AAA88304

REACTIVITY
Canine

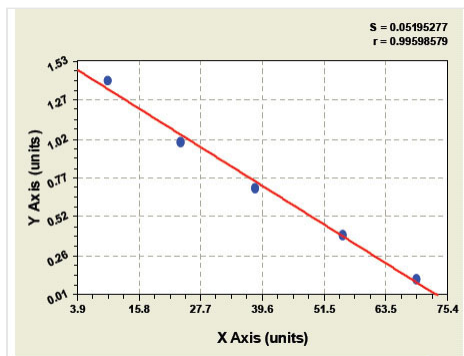
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ABCA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine 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.

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	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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/abca1-canine-elisa-kits/atp-binding-cassette-transporter-a1/88304>