

Human ATP Binding Cassette Transporter A4 (ABCA4) ELISA Kit | ABCA4 elisa kit

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CATALOG #
AAA66622

REACTIVITY
Human

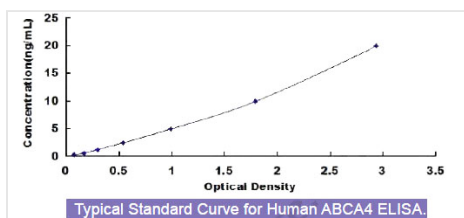
PRODUCT SYNONYMS

ATP Binding Cassette Transporter A4 (ABCA4); Human ATP Binding Cassette Transporter A4 (ABCA4) ELISA Kit; ABC-A4; ABC10; ABCR; ARMD2; CORD3; FFM; RMP; RP19; STGD; STGD1; Stargardt disease protein Retinal-specific ATP-binding cassette transporter RIM ABC transporter; ABCA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ABCA4. No significant cross-reactivity or interference between ABCA4 and analogues was observed.
Sequence Length	2273
Samples	Human tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.112ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ABCA4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ABCA4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCA4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ABCA4 in human tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ABCA4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ABCA4. 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 ABCA4, 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 ABCA4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	105990541
NCBI GeneID	24
NCBI Accession #	NP_000341.2
NCBI GenBank Nucleotide #	NM_000350.2
UniProt Accession #	P78363; O15112; O60438; O60915; Q0QD48; Q4LE31
Molecular Weight	255,944 Da
NCBI Official Full Name	retinal-specific ATP-binding cassette transporter
NCBI Official Synonym Full Names	ATP binding cassette subfamily A member 4
NCBI Official Symbol	ABCA4
NCBI Official Synonym Symbols	FFM; RMP; ABCR; RP19; STGD; ABC10; ARMD2; CORD3; STGD1
NCBI Protein Information	retinal-specific ATP-binding cassette transporter
UniProt Protein Name	Retinal-specific ATP-binding cassette transporter
UniProt Gene Name	ABCA4
UniProt Synonym Gene Names	ABCR; RIM protein; RmP

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://www.aaabiotech.com/human-elisa-kits/atp-binding-cassette-transporter-a4-abca4/66622>