

Human Retinal-Specific ATP-Binding Cassette Transporter (ABCA4) ELISA Kit | ABCA4 elisa kit

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CATALOG #
AAA331044

REACTIVITY
Human

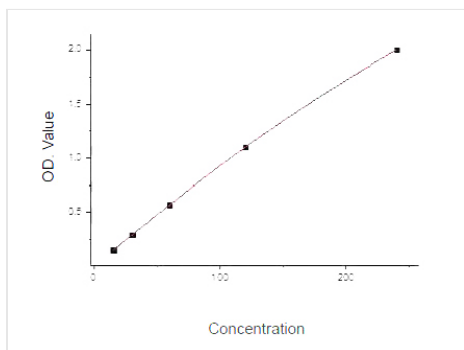
PRODUCT SYNONYMS

Retinal-Specific ATP-Binding Cassette Transporter (ABCA4); Human Retinal-Specific ATP-Binding Cassette Transporter (ABCA4) ELISA Kit; ABCA4; ABC10; ABCR; ARMD2; CORD3; DKFZp781N1972; FFM; FLJ17534; RMP; RP19; STGD; STGD1; ATP binding cassette transporter; ATP-binding cassette; sub-family A member 4; ATP-binding transporter; retina-specific; ABCA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Retinal-specific ATP-binding cassette transporter (ABCA4) ELISA Kit has high sensitivity and excellent specificity for detection of Human ABCA4. No significant cross-reactivity or interference between Human ABCA4 and analogues was observed.
Sequence Length	2273
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	15 ng/L - 240 ng/L
Sensitivity	< 1ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCA4 elisa kit	Background: ABCA4 (ATP Binding Cassette Subfamily A Member 4) is a Protein Coding gene. Diseases associated with ABCA4 include Macular Degeneration, Age-Related, 2 and Cone-Rod Dystrophy 3. Among its related pathways are Diseases of the neuronal system and Regulation of activated PAK-2p34 by proteasome mediated degradation. Gene Ontology (GO) annotations related to this gene include transporter activity and ATPase-coupled transmembrane transporter activity. An important paralog of this gene is ABCA1. Principle of the Assay: Human Retinal-specific ATP-binding cassette transporter (ABCA4) ELISA Kit employs a two-site sandwich ELISA to quantitate ABCA4 in samples. An antibody specific for ABCA4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCA4 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human ABCA4 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of ABCA4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6707663
NCBI GeneID	24
UniProt Accession #	P78363
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
UniProt Entry Name	ABCA4_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/human-elisa-kits/retinal-specific-atp-binding-cassette-transporter-abca4/331044>