

Human ATP binding cassette sub family A member 3 (ABCA3) ELISA Kit | ABCA3 elisa kit

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CATALOG #
AAA246990

REACTIVITY
Human

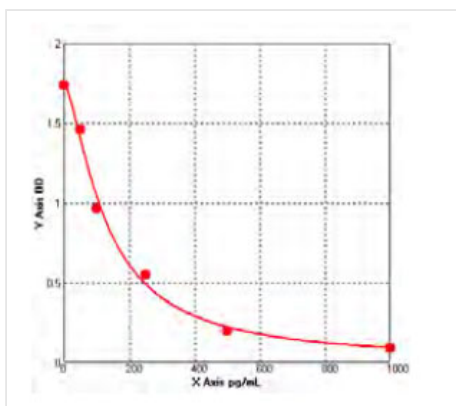
PRODUCT SYNONYMS

ATP binding cassette sub family A member 3 (ABCA3); Human ATP binding cassette sub family A member 3 (ABCA3) ELISA Kit; ABCA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ABCA3. No significant cross-reactivity or interference between ABCA3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ABCA3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCA3 elisa kit	Principle of the Assay: ABCA3 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ABCA3 antibody and an ABCA3-HRP conjugate. The assay sample and buffer are incubated together with ABCA3-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 ABCA3 concentration since ABCA3 from samples and ABCA3-HRP conjugate compete for the anti-ABCA3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ABCA3 from the sample, fewer sites are left to bind ABCA3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ABCA3 concentration in each sample is interpolated from this standard curve. Intended Uses: This ABCA3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ABCA3. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ABCA3 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	116734710
NCBI GeneID	21
NCBI Accession #	NP_001080.2
NCBI GenBank Nucleotide #	NM_001089.2
Molecular Weight	191,362 Da
NCBI Official Full Name	ATP-binding cassette sub-family A member 3
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family A (ABC1), member 3
NCBI Official Symbol	ABCA3
NCBI Official Synonym Symbols	ABC3; ABC-C; SMDP3; LBM180; EST111653
NCBI Protein Information	ATP-binding cassette sub-family A member 3; ABC transporter 3; ABC-C transporter; ATP-binding cassette transporter 3
UniProt Protein Name	ATP-binding cassette sub-family A member 3
UniProt Gene Name	ABCA3
UniProt Synonym Gene Names	ABC3; ATP-binding cassette 3
UniProt Entry Name	ABCA3_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/atp-binding-cassette-sub-family-a-member-3-abca3/246990>