

Human ATP binding cassette sub family D member 1 (ABCD1) ELISA Kit | ABCD1 elisa kit

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CATALOG #
AAA27237

REACTIVITY
Human

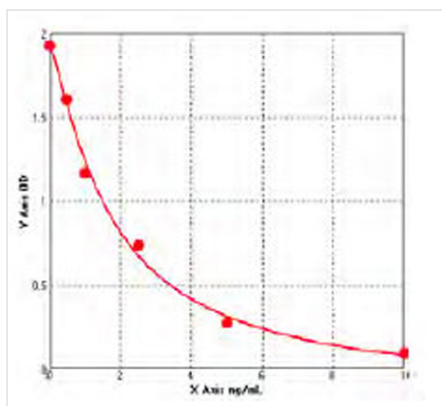
PRODUCT SYNONYMS

ATP binding cassette sub family D member 1 (ABCD1); Human ATP binding cassette sub family D member 1 (ABCD1) ELISA Kit; ABCD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ABCD1. No significant cross-reactivity or interference between ABCD1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ABCD1 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	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCD1 elisa kit	Principle of the Assay: ABCD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ABCD1 antibody and an ABCD1-HRP conjugate. The assay sample and buffer are incubated together with ABCD1-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 ABCD1 concentration since ABCD1 from samples and ABCD1-HRP conjugate compete for the anti-ABCD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ABCD1 from the sample, fewer sites are left to bind ABCD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ABCD1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ABCD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ABCD1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for ABCD1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	7262393
NCBI GeneID	215
NCBI Accession #	NP_000024.2
NCBI GenBank Nucleotide #	NM_000033.3
Molecular Weight	82,937 Da
NCBI Official Full Name	ATP-binding cassette sub-family D member 1
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family D (ALD), member 1
NCBI Official Symbol	ABCD1
NCBI Official Synonym Symbols	ALD; AMN; ALDP; ABC42
NCBI Protein Information	ATP-binding cassette sub-family D member 1; adrenoleukodystrophy protein
UniProt Protein Name	ATP-binding cassette sub-family D member 1
UniProt Gene Name	ABCD1
UniProt Synonym Gene Names	ALD; ALDP
UniProt Entry Name	ABCD1_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-d-member-1-abcd1/27237>