

Mouse ATP-binding cassette sub-family D member 4 (ABCD4) ELISA Kit | ABCD4 elisa kit

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CATALOG #
AAA246888

REACTIVITY
Mouse

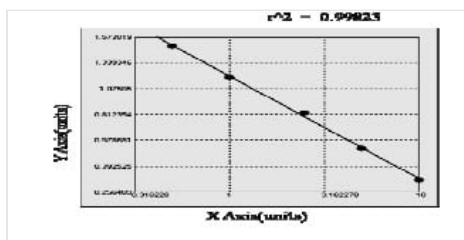
PRODUCT SYNONYMS

ATP-binding cassette sub-family D member 4 (ABCD4); Mouse ATP-binding cassette sub-family D member 4 (ABCD4) ELISA Kit; ABCD4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCD4 elisa kit

Intended Uses: This ABCD4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ABCD4. This ELISA kit for research use only!

Principle of the Assay: ABCD4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ABCD4 antibody and an ABCD4-HRP conjugate. The assay sample and buffer are incubated together with ABCD4-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 ABCD4 concentration since ABCD4 from samples and ABCD4-HRP conjugate compete for the anti-ABCD4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ABCD4 from the sample, fewer sites are left to bind ABCD4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ABCD4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ABCD4 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826958
NCBI GeneID	5826
NCBI Accession #	NP_005041.1
NCBI GenBank Nucleotide #	NM_005050.3
Molecular Weight	68,597 Da
NCBI Official Full Name	ATP-binding cassette sub-family D member 4
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family D (ALD), member 4
NCBI Official Symbol	ABCD4
NCBI Official Synonym Symbols	P70R; P79R; ABC41; MAHCJ; PMP69; PXMP1L; EST352188
NCBI Protein Information	ATP-binding cassette sub-family D member 4; PXMP1-L; PMP70-related protein; peroxisomal membrane protein 69; 69 kDa peroxisomal ABC-transporter
UniProt Protein Name	ATP-binding cassette sub-family D member 4
UniProt Gene Name	ABCD4
UniProt Synonym Gene Names	PXMP1L; P70R; PXMP1-L; PMP69
UniProt Entry Name	ABCD4_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/mouse-elisa-kits/atp-binding-cassette-sub-family-d-member-4-abcd4/246888>