

Human Protein ATP1B4 (ATP1B4) ELISA Kit | ATP1B4 elisa kit

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CATALOG #
AAA246153

REACTIVITY
Human

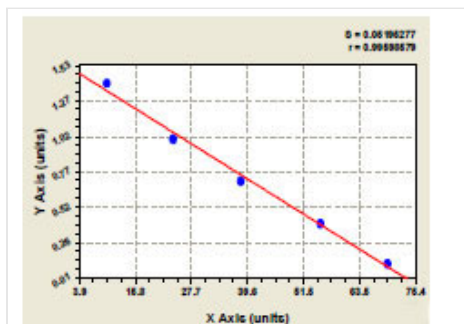
PRODUCT SYNONYMS

Protein ATP1B4 (ATP1B4); Human Protein ATP1B4 (ATP1B4) ELISA Kit; ATP1B4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP1B4 elisa kit

Intended Uses: This ATP1B4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATP1B4.

Principle of the Assay: ATP1B4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-ATP1B4 antibody and an ATP1B4-HRP conjugate. The assay sample and buffer are incubated together with ATP1B4-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 ATP1B4 concentration since ATP1B4 from samples and ATP1B4-HRP conjugate compete for the anti-ATP1B4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATP1B4 from the sample, fewer sites are left to bind ATP1B4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATP1B4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	215490093
NCBI GeneID	23439
NCBI Accession #	NP_001135919.1
NCBI GenBank Nucleotide #	NM_001142447.2
Molecular Weight	41,109 Da
NCBI Official Full Name	protein ATP1B4 isoform A
NCBI Official Synonym Full Names	ATPase, Na ⁺ /K ⁺ transporting, beta 4 polypeptide
NCBI Official Symbol	ATP1B4
NCBI Protein Information	protein ATP1B4; X,K-ATPase beta-m subunit; Na,K-ATPase beta m-subunit; x/potassium-transporting ATPase subunit beta-m
UniProt Protein Name	Protein ATP1B4
UniProt Gene Name	ATP1B4
UniProt Entry Name	AT1B4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/protein-atp1b4-atp1b4/246153>