

Human Plasma membrane calcium-transporting ATPase 4 ELISA Kit | ATP2B4 elisa kit

Human Plasma membrane calcium-transporting ATPase 4 (ATP2B4) ELISA Kit

CATALOG # AAA55390	REACTIVITY Human
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PRODUCT SYNONYMS

Plasma membrane calcium-transporting ATPase 4; Human Plasma membrane calcium-transporting ATPase 4 (ATP2B4) ELISA Kit; ATP2B4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human ATP2B4. No significant cross-reactivity or interference between Human ATP2B4 and analogues was observed.
Sequence Length	1205
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	31.25 pg/mL - 2000 pg/mL
Sensitivity	10.4 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for ATP2B4 elisa kit	Intended Uses: For the quantitative detection of Human Plasma membrane calcium- transporting ATPase 4 (ATP2B4) concentration in serum, plasma and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ATP2B4 in Human serum, plasma. An antibody specific for ATP2B4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ATP2B4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ATP2B4 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ATP2B4 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 #	48255959
NCBI GeneID	493
NCBI Accession #	NP_001001396.1
NCBI GenBank Nucleotide #	NM_001001396.2
UniProt Accession #	P23634 ; Q13450 ; Q13452 ; Q13455 ; Q16817 ; Q7Z3S1 ; B1APW5 ; B1APW6

Molecular Weight	136,584 Da
NCBI Official Full Name	plasma membrane calcium-transporting ATPase 4 isoform 4a
NCBI Official Synonym Full Names	ATPase plasma membrane Ca ²⁺ transporting 4
NCBI Official Symbol	ATP2B4
NCBI Official Synonym Symbols	MXRA1; PMCA4; ATP2B2; PMCA4b; PMCA4x
NCBI Protein Information	plasma membrane calcium-transporting ATPase 4
UniProt Protein Name	Plasma membrane calcium-transporting ATPase 4
UniProt Gene Name	ATP2B4
UniProt Synonym Gene Names	PMCA4

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://www.aaabiotech.com/atp2b4-human-elisa-kits/plasma-membrane-calcium-transporting-atpase-4/55390>