

Human Peptidyl Arginine Deiminase Type VI (PADI6) ELISA Kit | PADI6 elisa kit

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CATALOG #
AAA64917

REACTIVITY
Human

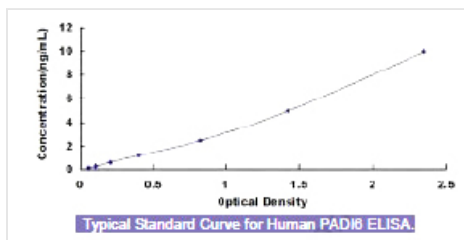
PRODUCT SYNONYMS

Peptidyl Arginine Deiminase Type VI (PADI6); Human Peptidyl Arginine Deiminase Type VI (PADI6) ELISA Kit; Peptidylarginine deiminase VI; Peptidyl arginine deiminase-like protein; PADI6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PADI6. No significant cross-reactivity or interference between PADI6 and analogues was observed.
Sequence Length	694
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.062ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PADI6 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PADI6 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PADI6 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PADI6 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PADI6. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PADI6. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PADI6, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PADI6 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117414158
NCBI GeneID	353238
NCBI Accession #	NP_997304.3
NCBI GenBank Nucleotide #	NM_207421.4
UniProt Accession #	Q6TGC4; Q330K5; Q70SX3
Molecular Weight	77,727 Da
NCBI Official Full Name	protein-arginine deiminase type-6
NCBI Official Synonym Full Names	peptidyl arginine deiminase 6
NCBI Official Symbol	PADI6
NCBI Official Synonym Symbols	hPADVI; PREMBL2
NCBI Protein Information	protein-arginine deiminase type-6
UniProt Protein Name	Protein-arginine deiminase type-6
UniProt Gene Name	PADI6
UniProt Synonym Gene Names	PAD6; hPADVI

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/peptidyl-arginine-deiminase-type-vi-padi6/64917>