

Human Peptidyl Arginine Deiminase Type I ELISA Kit | PADI1 elisa kit

Human Peptidyl Arginine Deiminase Type I (PADI1) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189981

REACTIVITY
Human

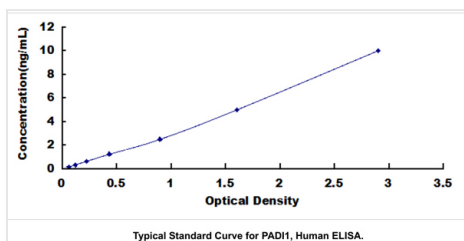
PRODUCT SYNONYMS

Peptidyl Arginine Deiminase Type I; Human Peptidyl Arginine Deiminase Type I (PADI1) (Sandwich ELISA) ELISA Kit; PDI; PAD1; HPAD10; PDI1; Peptidylarginine Deiminase Type I; Protein-Arginine Deiminase Type-1; hPAD-Colony 10; ELISA Kit for Peptidyl Arginine Deiminase Type I (PADI1); PADI1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PADI1. No significant cross-reactivity or interference between PADI1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PADI1 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 PADI1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PADI1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PADI1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PADI1. 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 PADI1, 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 PADI1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PADI1 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for PADI1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	122056685
NCBI GeneID	29943
NCBI Accession #	NP_037490.2
NCBI GenBank Nucleotide #	NM_013358.2
UniProt Accession #	Q9ULC6; Q70SX6; A1L4K6
Molecular Weight	74,666 Da
NCBI Official Full Name	protein-arginine deiminase type-1
NCBI Official Synonym Full Names	peptidyl arginine deiminase 1
NCBI Official Symbol	PADI1
NCBI Official Synonym Symbols	PDI; PAD1; PDI1; HPAD10
NCBI Protein Information	protein-arginine deiminase type-1
UniProt Protein Name	Protein-arginine deiminase type-1
UniProt Gene Name	PADI1
UniProt Synonym Gene Names	PAD1; PDI1

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/padi1-human-elisa-kits/peptidyl-arginine-deiminase-type-i/189981>