

Human peptidyl arginine deiminase, type IV ELISA Kit | PADI4 elisa kit

Human protein-arginine deiminase type-4, PADI4 ELISA Kit

CATALOG #
AAA15841

REACTIVITY
Human

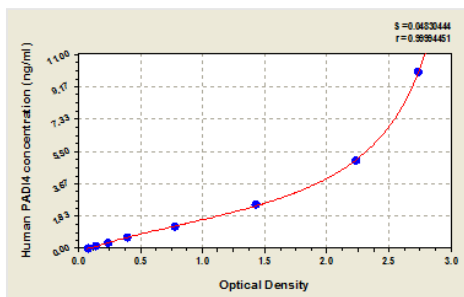
PRODUCT SYNONYMS

peptidyl arginine deiminase; type IV; Human protein-arginine deiminase type-4; PADI4 ELISA Kit; Human protein-arginine deiminase type-4 (PADI4) ELISA kit; PAD; PAD4; PADI5; PDI4; PDI5; HL-60 PAD; PADI-H protein; type V; protein-arginine deiminase; PADI4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PADI4. No significant cross-reactivity or interference between human PADI4 and analogues was observed.
Sequence Length	663
Samples	Serum, urine, cell culture supernates
Assay Type	Quantitative Sandwich
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	< 0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PADI4 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PADI4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PADI4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PADI4 is added to the wells. After washing, avidin 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 PADI4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	216548487
NCBI GeneID	23569
NCBI Accession #	NP_036519.2
NCBI GenBank Nucleotide #	NM_012387.2
UniProt Accession #	Q9UM07; Q5VTZ8; Q70SX4; A8K392; B2RBW0
Molecular Weight	74,079 Da
NCBI Official Full Name	protein-arginine deiminase type-4
NCBI Official Synonym Full Names	peptidyl arginine deiminase, type IV
NCBI Official Symbol	PADI4
NCBI Official Synonym Symbols	PAD; PAD4; PDI4; PDI5; PADI5
NCBI Protein Information	protein-arginine deiminase type-4; HL-60 PAD; PADI-H protein; protein-arginine deiminase type IV; peptidyl arginine deiminase, type V
UniProt Protein Name	Protein-arginine deiminase type-4
UniProt Gene Name	PADI4
UniProt Synonym Gene Names	PADI5; PDI5
UniProt Entry Name	PADI4_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/padi4-human-elisa-kits/peptidyl-arginine-deiminase-type-iv/15841>