

Human PADI4 (Peptidyl Arginine Deiminase Type IV) CLIA Kit | PADI4 clia kit

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CATALOG #
AAA170987

REACTIVITY
Human

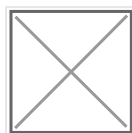
PRODUCT SYNONYMS

PADI4 (Peptidyl Arginine Deiminase Type IV); Human PADI4 (Peptidyl Arginine Deiminase Type IV) CLIA Kit; PAD; PAD4; PADI5; PDI4; PDI5; PADI4 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant PADI4. No significant cross-reactivity or interference between PADI4 and analogues was observed.
Sequence Length	105
Assay Type	Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	Min: 37.5pg/mL; Max: 4000pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PADI4 clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of PADI4 concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to PADI4. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for PADI4 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain PADI4, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of PADI4. You can calculate the concentration of PADI4 in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50299840
NCBI GeneID	23569
UniProt Accession #	Q6EVJ7; Q9UM07
Molecular Weight	10,961 Da

NCBI Official Full Name	peptidyl arginine deiminase type IV, partial
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
UniProt Protein Name	Peptidyl arginine deiminase type IV
UniProt Gene Name	PADI4
UniProt Entry Name	Q6EVJ7_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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/padi4-peptidyl-arginine-deiminase-type-iv/170987>