

Mouse PADI4 (Peptidyl Arginine Deiminase Type IV) ELISA Kit | PADI4 elisa kit

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CATALOG #
AAA251065

REACTIVITY
Mouse

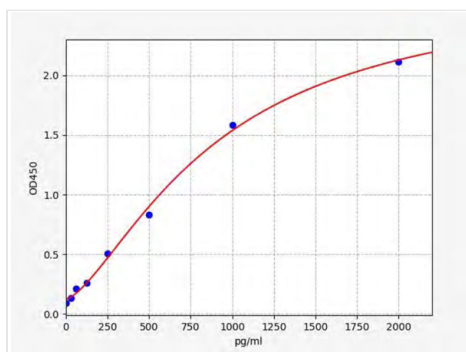
PRODUCT SYNONYMS

PADI4 (Peptidyl Arginine Deiminase Type IV); Mouse PADI4 (Peptidyl Arginine Deiminase Type IV) ELISA Kit; PADI4; Peptidyl Arginine Deiminase Type IV; Protein-arginine deiminase type IV; Protein-arginine deiminase type-4; PADI4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize PADI4, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.2-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PADI4 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti PADI4 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti PADI4 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with PADI4 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of PADI4 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156938252
NCBI GeneID	18602
NCBI Accession #	NP_035191.2
NCBI GenBank Nucleotide #	NM_011061.2
UniProt Accession #	Q9Z183; Q75WC7; A2AMU3
Molecular Weight	74,415 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	Pad4; Pdi4
NCBI Protein Information	protein-arginine deiminase type-4
UniProt Protein Name	Protein-arginine deiminase type-4
UniProt Gene Name	Padi4
UniProt Synonym Gene Names	Pad4; Pdi4

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/mouse-elisa-kits/padi4-peptidyl-arginine-deiminase-type-iv/251065>