

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

Mouse Protein-arginine deiminase type-4, PADI4 ELISA Kit

CATALOG #
AAA18065

REACTIVITY
Mouse

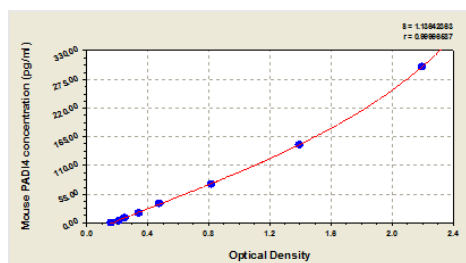
PRODUCT SYNONYMS

peptidyl arginine deiminase; type IV; Mouse Protein-arginine deiminase type-4; PADI4 ELISA Kit; Mouse 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	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse PADI4. No significant cross-reactivity or interference between mouse PADI4 and analogues was observed.
Sequence Length	666
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	4.7 pg/ml-300 pg/ml
Sensitivity	< 1.17 pg/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.
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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; PAD type IV; peptidylarginine deiminase IV; protein-arginine deiminase type IV
UniProt Protein Name	Protein-arginine deiminase type-4
UniProt Gene Name	Padi4
UniProt Synonym Gene Names	Pdi4
UniProt Entry Name	PADI4_MOUSE

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/padi4-mouse-elisa-kits/peptidyl-arginine-deiminase-type-iv/18065>