

Human Peptidyl-Glycine alpha-Amidating Monooxygenase (PAM) ELISA Kit | PAM elisa kit

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CATALOG #
AAA331476

REACTIVITY
Human

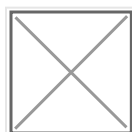
PRODUCT SYNONYMS

Peptidyl-Glycine alpha-Amidating Monooxygenase (PAM); Human Peptidyl-Glycine alpha-Amidating Monooxygenase (PAM) ELISA Kit; PAM; PAL; PHM; pancreatic peptidylglycine alpha-amidating monooxygenase; peptidyl alpha-amidating enzyme; peptidyl-alpha-hydroxyglycine alpha-amidating lyase; peptidylglycine 2-hydroxylase; peptidylglycine a; PAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Peptidyl-glycine alpha-amidating monooxygenase (PAM) ELISA Kit has high sensitivity and excellent specificity for detection of Human PAM. No significant cross-reactivity or interference between Human PAM and analogues was observed.
Sequence Length	974
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	5 pg/ml - 80 pg/ml
Sensitivity	< 0.5pg/ml
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAM elisa kit	Background: Peptidyl-glycine alpha-amidating monooxygenase is a multifunctional protein. It has two enzymatically active domains with catalytic activities - peptidylglycine alpha-hydroxylating monooxygenase (PHM) and peptidyl-alpha-hydroxyglycine alpha-amidating lyase (PAL).These catalytic domains work sequentially to catalyze neuroendocrine peptides to active alpha-amidated products. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene but some of their full length sequences are not yet known. Principle of the Assay: Human Peptidyl-glycine alpha-amidating monooxygenase (PAM) ELISA Kit employs a two-site sandwich ELISA to quantitate PAM in samples. An antibody specific for PAM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PAM present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PAM detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of PAM 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 #	21070984
NCBI GeneID	5066
NCBI Accession #	NP_000910.2
NCBI GenBank Nucleotide #	NP_000910.2
UniProt Accession #	P19021
NCBI Official Full Name	peptidyl-glycine alpha-amidating monooxygenase isoform a
NCBI Official Synonym Full Names	peptidylglycine alpha-amidating monooxygenase
NCBI Official Symbol	PAM
NCBI Official Synonym Symbols	PAL; PHM
NCBI Protein Information	peptidyl-glycine alpha-amidating monooxygenase
UniProt Protein Name	Peptidyl-glycine alpha-amidating monooxygenase
UniProt Gene Name	PAM
UniProt Synonym Gene Names	PAM; PHM; PAL

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-elisa-kits/peptidyl-glycine-alpha-amidating-monooxygenase-pam/331476>