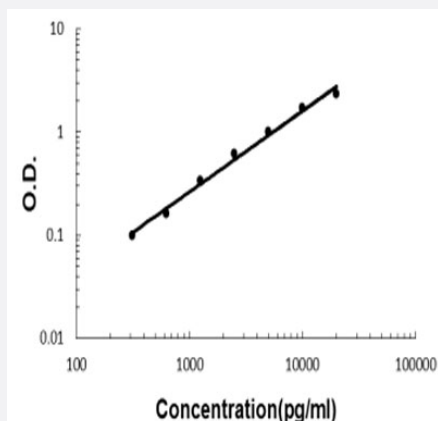


# PAM (Human) ELISA Kit

Catalog # KA5943

Size 1 Kit

## Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

<b>Product Description</b>	PAM (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative detection of human PAM in cell culture supernates, serum and plasma (heparin, EDTA, citrate).
<b>Suitable Sample</b>	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
<b>Sample Volume</b>	100 uL
<b>Label</b>	HRP-conjugated
<b>Detection Method</b>	Colorimetric
<b>Assay Type</b>	Quantitative
<b>Calibration Range</b>	312 to 20000 pg/mL
<b>Reactivity</b>	Human
<b>Regulatory Status</b>	For research use only (RUO)
<b>Quality Control Testing</b>	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

**Storage Instruction**

Store at 4°C for six months. For long term storage store at -20°C.  
Avoid repeated freezing and thawing.

## Applications

- Quantification

## Gene Info — PAM

**Entrez GeneID** [5066](#)

**Protein Accession#** [P19021](#)

**Gene Name** PAM

**Gene Alias** PAL, PHM

**Gene Description** peptidylglycine alpha-amidating monooxygenase

**Omim ID** [170270](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** This gene encodes a multifunctional protein. It has two enzymatically active domains with catalytic activities - peptidylglycine alpha-hydroxylating monooxygenase (PHM) and peptidyl-alpha-hydroxy glycine alpha-amidating lyase (PAL). These catalytic domains work sequentially to catalyze neuro endocrine 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. [provided by RefSeq]

**Other Designations** pancreatic peptidylglycine alpha-amidating monooxygenase|peptidyl alpha-amidating enzyme|peptidyl-alpha-hydroxyglycine alpha-amidating lyase|peptidylglycine 2-hydroxylase|peptidylglycine alpha-hydroxylating monooxygenase

## Disease

- [Tobacco Use Disorder](#)