

**Product Name: PCT Mouse Monoclonal Antibody****Catalog #: AMM82363**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	ELISA
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	ELISA 1:5000-1:20000
<b>Molecular Weight</b>	15.5kDa

**Antigen Information**

<b>Gene Name</b>	PCT
<b>Alternative Names</b>	CALCA; CT; KC; CGRP; CALC1; CGRP1; CGRP-I
<b>Gene ID</b>	796.0
<b>SwissProt ID</b>	P01258
<b>Immunogen</b>	Purified recombinant fragment of human PCT (AA: 26-141) expressed in E. Coli.

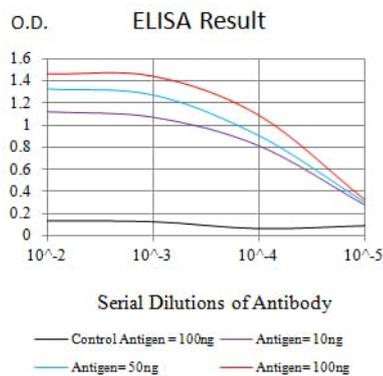
**Background**

This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katacalcin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator and as an

antimicrobial peptide while katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.

## Research Area

## Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)