



## Mouse Anti-Human PCT (aa 78-81) monoclonal antibody, clone B1676M (DCABH-002H)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Specificity</b>	React with human PCT
<b>Immunogen</b>	Recombinant PCT antigen
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	B1676M
<b>Purification</b>	Protein A Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Recommended antibody pair for human PCT detection in LFIA (Capture - Detection). We recommend the following for sandwich ELISA: DCABH-001H - DCABH-002H
<b>Epitope</b>	Calcitonin domain (aa 78-81)
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	5 mg/ml
<b>Size</b>	1 mg
<b>Buffer</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative

<b>Preservative</b>	0.095% Sodium Azide
<b>Storage</b>	Store at 4°C for short term. Aliquot and store at -20°C for long term. Avoid freeze/thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction** Procalcitonin (PCT) is a peptide precursor of the hormone calcitonin, the latter being involved with calcium homeostasis. It arises once preprocalcitonin is cleaved by endopeptidase. It was first identified by Leonard J. Deftos and Bernard A. Roos in the 1970s. It is composed of 116 amino acids and is produced by parafollicular cells (C cells) of the thyroid and by the neuroendocrine cells of the lung and the intestine.

**Keywords** Procalcitonin; PCT; PCT antigen; PCT protein