



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

Specificity	React with human PCT
Immunogen	Recombinant PCT antigen
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	B1676M
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	Recommended antibody pair for human PCT detection in LFIA (Capture - Detection). We recommend the following for sandwich ELISA: DCABH-001H - DCABH-002H
Epitope	Calcitonin domain (aa 78-81)
Format	Purified, Liquid
Concentration	5 mg/ml
Size	1 mg
Buffer	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN3 as a preservative

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