

# Mouse Anti-Human Procalcitonin (aa 11-25) monoclonal antibody, clone 34C23 (DMABT-H1296MH)

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

## PRODUCT INFORMATION

| | |
|---|---|
| **Specificity** | No cross-reaction with: Calcitonin, Katacalcin, CGRP1 and CGRP2. |
| **Immunogen** | Recombinant human PCT |
| **Isotype** | IgG2a |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | 34C23 |
| **Purification** | Protein A Purified |
| **Conjugate** | Unconjugated |
| **Applications** | Best sensitivity in LFIA for PCT.<br>We recommend the following for sandwich ELISA (Capture - Detection):<br>DMAB1357MH - DMABT-H1296MH |
| **Epitope** | N-term PCT (aa 11-25) |
| **Format** | Purified, Liquid |
| **Concentration** | Lot specific |
| **Size** | 1 mg |
| **Buffer** | PBS, pH 7.4, 0.09 % sodium azide |

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved

| | |
|---|---|
| **Preservative** | 0.09 % sodium azide |
| **Storage** | Store at 4°C. |
| **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 |

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved