

Mouse Anti-Human Procalcitonin mAb (Detection)

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| Catalog No. | CEM005 | Quantity: | 1.0 mg |
| Alternate Names: | PCT | | |
| Description: | The monoclonal antibody recognizes human Procalcitonin (PCT), a 116 amino acid precursor of the hormone calcitonin. Procalcitonin arises from endopeptidase-cleaved preprocalcitonin. It undergoes successive cleavages in the neuroendocrine cells of the thyroid to form three distinct molecules: calcitonin (32 amino acids); C-terminal fragment katacalcin (21 amino acids) and N-terminal fragment, aminoprocalcitonin (57 amino acids). | | |
| UniProt ID | P01258 | | |
| Gene ID: | 796 | | |
| Host: | Mouse | | |
| Isotype: | IgG1 | | |
| Immunogen: | Recombinant human procalcitonin | | |
| Specificity: | Human Procalcitonin | | |
| Concentration: | > 1 mg/ml, lot specific | | |
| Formulation: | 10 mM sodium phosphate, 50 mM NaCl, 0.1% NaN ₃ , pH 8.0 | | |
| Purification: | Protein A affinity chromatography | | |
| Purity: | > 90% by SDS-PAGE | | |
| Applications: | ELISA, Lateral flow assays | | |
| Application Notes: | For ELISA, use as the detection antibody, paired with CEM006 as the capture antibody. | | |
| Storage & Stability: | Store at 2-8°C for short term. Prepare working aliquots and store at -20 to -80°C. Avoid repeated freeze-thaw cycles. | | |

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