

## Mouse Anti-Human Procalcitonin (HM365) mAb

<b>Catalog No.</b>	CEM004	<b>Quantity:</b>	1.0 mg
<b>Alternate Names:</b>	PCT		
<b>Description:</b>	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).		
<b>Source:</b>	Ascites		
<b>Host:</b>	Mouse		
<b>Isotype:</b>	IgA		
<b>Immunogen:</b>	Recombinant human procalcitonin, expressed in <i>E. coli</i>		
<b>Specificity:</b>	Procalcitonin (epitope 90-113 aa)		
<b>Formulation:</b>	10 mM PBS, 0.05% Proclin 300, pH 7.4		
<b>Purification:</b>	Protein A affinity chromatography		
<b>Purity:</b>	> 90% by SDS-PAGE		
<b>Applications:</b>	ELISA, Lateral flow assays, Western Blot		
<b>Application Notes:</b>	For ELISA, use as the capture antibody, paired with CEM003 as the detection antibody.		
<b>Storage &amp; Stability:</b>	Store at 2-8°C for short term. Prepare working aliquots and store at -20 to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

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