



# PTH Monoclonal Antibody

<b>Product Code</b>	CSB-MA0189871A0m
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Immunogen</b>	Recombinant PTH Protein
<b>Raised In</b>	mouse
<b>Species Reactivity</b>	Human
<b>Specificity</b>	specific for Human PTH denatured form
<b>Tested Applications</b>	ELISA
<b>Relevance</b>	Parathyroid hormone (PTH), parathormone or parathyrin, is secreted by the chief cells of the parathyroid glands as a polypeptide containing 84 amino acids, yet effective hormone-receptor interaction requires solely the 34-N-terminal amino acids. While PTH acts to increase the concentration of ionic calcium (Ca <sup>2+</sup> ) in the blood, calcitonin, a hormone produced by the parafollicular cells (C cells) of the thyroid gland, acts to decrease ionic calcium concentration. PTH essentially acts to increase the concentration of calcium in the blood by acting upon the parathyroid hormone 1 receptor, which is present at high levels in bone and kidney, and the parathyroid hormone 2 receptor, which is present at high levels in the central nervous system, pancreas, testis, and placenta. PTH half-life is approximately 4 minutes. It has a molecular mass of approximately 9.4 kDa.
<b>Form</b>	liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
<b>Purification Method</b>	>95%,Protein G purified
<b>Isotype</b>	IgG1
<b>Clonality</b>	monoclonal
<b>Alias</b>	Parathyroid hormone, PTH
<b>Product Type</b>	Monoclonal Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Clone No.</b>	4D1H11