



# Chimeric Mouse Anti-Human Parathyroid Hormone-related Protein monoclonal antibody, clone HuMBC1 (CPBT-LL021)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant monoclonal antibody to Parathyroid Hormone-related Protein.
<b>Specificity</b>	HuMBC1 binds to human PTHrP at an epitope between residues 20 and 30 (KD ~ 0.2 nM), a site closely overlapping with the GPCR parathyroid hormone receptor 1 (PTH1R) binding site. The antibody does not bind to PTH at concentrations of 10 µg/ml. PTHrP is known to be a causative factor of humoral hypercalcemia of malignancy (HHM), which is frequently found at advanced stages of cancer. The protein binds to PTHR1, which is expressed on the surface of cells of the osteoblast lineage and of the kidney tubule; this interaction actively promotes bone resorption, in a manner identical to that of PTH.
<b>Target</b>	PTHLH
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	HuMBC1
<b>Purification</b>	Protein A affinity purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Neut, ELISA
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific

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<b>Size</b>	200 µg, 1 mg
<b>Buffer</b>	PBS with 0.02% Proclin 300.
<b>Preservative</b>	<a href="#">View individual datasheet</a>
<b>Storage</b>	Store at 4°C for up to 3 months. For longer storage, aliquot and store at - 20°C.
<b>Ship</b>	Wet ice

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