



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

Product Overview	Recombinant monoclonal antibody to Parathyroid Hormone-related Protein.
Specificity	HuMBC1 binds to human PTHrPat 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 10ug/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.
Target	PTHLH
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	HuMBC1
Purification	Protein A affinity purified.
Conjugate	Unconjugated
Applications	Neut, ELISA
Format	Liquid
Concentration	Lot specific

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