

Data Sheet

HUMAN PARATHYROID HORMONE (PTH) (aa 1-38)

ANTIBODY, MONOCLONAL

Catalog no.:	AK1108.1 / AK1108.2
Immunogen:	Synthetic human PTH (aa 1-38) poly-Lysine conjugated (SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNFVALG)
Synonyms:	Parathormone, Parathyrin
Swiss-Prot No:	P01270
Gene Information:	Gene Name: PTH GeneID: 5741
Host:	Mouse Balb/c
Clone no.:	B2-82
Isotype:	IgG ₁
Matrix:	Cell culture supernatant, affinity purified, 50 mM TRIS pH 7.4, 0.05% NaN ₃
Specificity:	Human PTH (aa 15-25; 1-34; 1-38; 1-84; 7-84) Affinity: 8.45×10^7 l/mol (determined by RIA) There was no cross-reactivity obtained with synthetic human PTH (aa 1-3; 1-10; 4-16; 28-48; 39-84; 44-68; 53-84), or with PTHrP (aa 1-86), Calcitonin, Gastrin, β 2 microglobulin, Thymulin, Thyroglobulin, Streptavidin, or Glutathione S-transferase.
Contents:	10 μ g / 100 μ g (lyophilized) Resuspend in 10 μ l / 100 μ l aqua bidest.
Known applications:	RIA (25 ng/ml) ¹ , ELISA (1 μ g/ml) ^{1,2} , immunohistochemistry (paraffin sections, cryosections, 2 μ g/ml) This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.
Store at:	2-8 °C (lyophilized); -20 °C (dissolved) Repeated thawing and freezing must be avoided
References:	1. Tampe J, Broszio P, Manneck HE, Missbichler A, Blind E, Muller KB, Schmidt-Gayk H, Armbruster FP (1992). Characterization of antibodies against human N-terminal parathyroid hormone by epitope mapping. <i>J Immunoassay</i> 13 (1): 1-13.



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2. Gao P, Schmidt-Gayk H, Dittrich K, Nolting B, Maier A, Roth HJ et al (1996).
Immunochemiluminometric assay with two monoclonal antibodies against the N-terminal sequence
of human parathyroid hormone. *Clin Chim Acta* **245**:39-59

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For research use only

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