

Data Sheet

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

ANTIBODY, MONOCLONAL

Catalog no.:	AK1104.1 / AK1104.2
Immunogen:	Synthetic human PTH peptide (aa 1-38) polyLysine conjugated (SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNFVALG)
Synonyms:	Parathyrin, Parathormone
Swiss-Prot No:	P01270
Gene Information:	Gene name: PTH GenelD: 5741
Host:	Mouse Balb/c
Clone no.:	A1/70
Isotype:	IgG ₁
Matrix:	Cell culture supernatant, Prot. G purified; PBS pH 7.4
Specificity:	Human PTH peptides (aa 15-25; 1-34; 1-38; 1-84; 7-84) Affinity: 1.47×10^8 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), nor 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 (20 ng/ml), ELISA (1 μ g/ml) ¹ , ILMA (20 μ g/ml) ³ , 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. 2. Klaus G, von Eichel B, May T, Hugel U, Mayer H, Ritz E, Mehls O (1994). Synergistic effects of parathyroid hormone and 1,25-dihydroxyvitamin D3 on proliferation and vitamin D receptor expression of rat growth cartilage cells. <i>Endocrinology</i> 135 (4): 1307-1315.





Antibodies

3. Gao P, Schmidt-Gayk H, Dittrich K, Nolting B, Maier A, Roth HJ, Seemann O, Reichel H, Ritz E, Schilling T (1996). Immunochemiluminometric assay with two monoclonal antibodies against the N-terminal sequence of human parathyroid hormone. *Clin Chim Acta* **245**(1): 39-59.

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