

Data Sheet

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

ANTIBODY, MONOCLONAL

Catalog no.:	AK1107.1 / AK1107.2
Immunogen:	Synthetic human PTH (aa 1-38) polyLysine conjugated (SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNFVALG)
Synonyms:	Parathormone, Parathyrin
Swiss-Prot No:	P01270
Gene Information:	Gene Name: PTH
	GeneID: 5741
Host:	Mouse Balb/c
Clone no.:	A1/64
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: 9.94 x 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), or with PTHrP (aa 1-86), Calcitonin, Gastrin, β2 microglobulin, Thymulin, Thyroglobulin, Streptavidin, or Glutathione S-transferase.
Contents:	10 µg / 100 µg (lyophilized)
	Resuspend in 10 µl / 100 µl aqua bidest
Known applications:	RIA (25 ng/ml), ELISA (1 µg/ml)[1], immunohistochemistry (paraffin sections, cryosections, 2 µg/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. *J Immunoassay* **13**(1)**:** 1-13.
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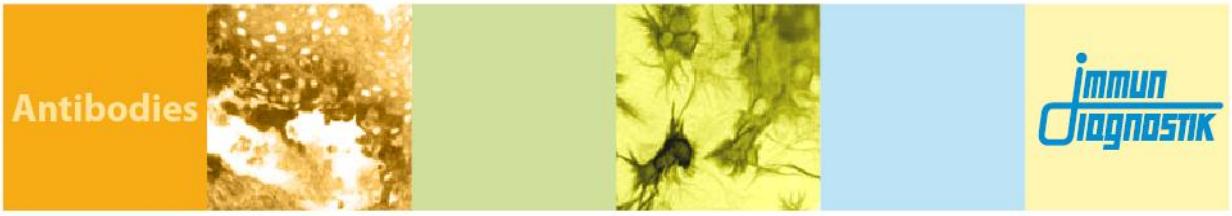

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