

## Data Sheet

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

## ANTIBODY, MONOCLONAL

<b>Catalog no.:</b>	AK1105.1 / AK1105.2
<b>Immunogen:</b>	Synthetic human PTH peptide (aa 1-38) poly-Lysine conjugated (SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNFVALG)
<b>Synonyms:</b>	Parathyrin, Parathormone
<b>Swiss-Prot No:</b>	P01270
<b>Gene Information:</b>	Gene name: PTH GeneID: 5741
<b>Host:</b>	Mouse Balb/c
<b>Clone no.:</b>	B1/70
<b>Isotype:</b>	IgG <sub>1</sub>
<b>Matrix:</b>	Cell culture supernatant, affinity purified, 50 mM TRIS pH 7.4, 0.05% NaN <sub>3</sub>
<b>Specificity:</b>	Human PTH peptide (aa 15-25; 1-34; 1-38; 1-84; 7-84) Affinity: 5.67 x 10 <sup>9</sup> 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, β2 microglobulin, Thymulin, Thyroglobulin, Streptavidin, or Glutathione S-transferase.
<b>Contents:</b>	10 µg / 100 µg (lyophilized) Resuspend in 10 µl / 100 µl aqua bidest.
<b>Known applications:</b>	RIA (25 ng/ml), ELISA (1 µg/ml), ILMA (0.1 µg/ml) <sup>2</sup> , 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.
<b>Store at:</b>	2-8 °C (lyophilized); - 20 °C (dissolved) Repeated thawing and freezing must be avoided
<b>References:</b>	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> <b>13</b> (1): 1-13.



Antibodies

2. 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.

**Last updated on:** 22 July 2016

**For research use only**

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