

Data Sheet

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

ANTIBODY, MONOCLONAL

Catalog no.:	AK1105.1 / AK1105.2
Immunogen:	Synthetic human PTH peptide (aa 1-38) poly-Lysine conjugated (SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNFVALG)
Synonyms:	Parathyrin, Parathormone
Swiss-Prot No:	P01270
Gene Information:	Gene name: PTH
	GeneID: 5741
Host:	Mouse Balb/c
Clone no.:	B1/70
Isotype:	IgG_1
Matrix:	Cell culture supernatant, affinity purified, PBS pH7.4
Specificity:	Human PTH peptide (aa 15-25; 1-34; 1-38; 1-84; 7-84)
	Affinity: 5.67 x 10^9 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.
Contents:	10 µg / 100 µg (lyophilized)
	Resuspend in 10 µl / 100 µl aqua bidest.
Known applications:	RIA (25 ng/ml), ELISA (1 µg/ml), ILMA (0.1 µg/ml)², 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.

Immundiagnostik AG
Stubenwald-Allee 8a · 64625 Bensheim · Germany
Phone: +49 (0) 62 51/70 19 00 · Fax: +49 (0) 62 51/84 94 30 · info@immundiagnostik.com · www.immundiagnostik.com

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: 11 March 2020

For research use only

Publishing research using AK1105? Please let us know so that we can cite your publication as a reference.

Immundiagnostik AG
Stubenwald-Allee 8a · 64625 Bensheim · Germany
Phone: +49 (0) 62 51/70 19 00 · Fax: +49 (0) 62 51/84 94 30 · info@immundiagnostik.com · www.immundiagnostik.com