

Mouse anti-Human Parathyroid Hormone, clone BGN/1F8 (Monoclonal)

Clone no. BGN/1F8

MONOSAN

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Product name	Mouse anti-Human Parathyroid Hormone, clone BGN/1F8 (Monoclonal)
Host	Mouse
Applications	IHC-fr, ELISA, IHC-P
Species reactivity	human, rat, mouse
Conjugate	-
Immunogen	Synthetic peptide corresponding to amino acids 1-34 of mature PTH conjugated to a proprietary carrier molecule
Isotype	IgG1
Clonality	Monoclonal
Clone number	BGN/1F8
Size	0.2 mg
Concentration	IgG 1 mg/ml
Format	Purified
Storage buffer	PBS with <0.1% sodium azide
Storage until expiry date	aliquots -20°C. Thawed 2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

Mouse anti Human parathyroid hormone monoclonal antibody, clone BGN/1F8 recognizes human parathyroid hormone (PTH) also known as Parathyrin. PTH is a hormone produced by the parathyroid gland responsible for the regulation of calcium and phosphorus concentrations in extracellular fluid (Brown 1983). Human parathyroid hormone is produced in the parathyroid gland as a 115 amino acid single chain polypeptide, bearing a 25 amino acid signal peptide, a 6 amino acid pro-peptide sequence and an 84 amino acid mature hormone. (Keutmann et al. 1978)

**References**

1. Nechama M et al. J Clin Invest 2009; 119: 3102-14
2. Galitzer H et al. Kidney Int 2010; 77: 211-8
3. Meir T et al. Am J Physiol Renal Physiol 2009; 297: F1192-8
4. Ferre S et al. J Clin endocrinol Metab 2013; 98: 4089-96
5. Arrighi I et al. Biomaterials 2009; 30: 1763-71

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