



BMA BIOMEDICALS



Peninsula Laboratories

S-1495

pTH (1-84) (human) ELISA [UniProt: Q03431]

PTH (1-84) is a promising therapeutic option for patients with hypoparathyroidism. Hypoparathyroidism is a rare disease characterized by hypocalcemia and insufficient circulating levels of parathyroid hormone (PTH). PTH (1-84) has been demonstrated to maintain serum calcium while reducing or eliminating requirements for calcium and active vitamin D supplementation.

This ELISA was developed with serum from rabbits immunized with pTH (1-84) coupled to a carrier protein.

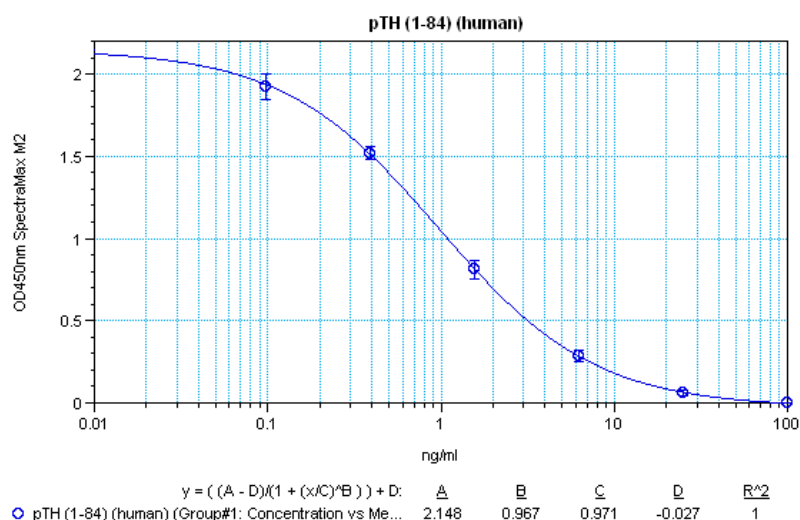
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A12528
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from production date. Store refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples (original protocol III, Std.Ab1hr.Bt). For research use only. Please see www.bma.ch for protocols and general information.
Range:	0-100ng/ml
Average IC50:	1.0ng/ml
Immunogen:	Synthetic peptide H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-Val-Ala-Leu-Gly-Ala-Pro-Leu-Ala-Pro-Arg-Asp-Ala-Gly-Ser-Gln-Arg-Pro-Arg-Lys-Lys-Glu-Asp-Asn-Val-Leu-Val-Glu-Ser-His-Glu-Lys-Ser-Leu-Gly-Glu-Ala-Asp-Lys-Ala-Asp-Val-Asn-Val-Leu-Thr-Lys-Ala-Lys-Ser-Gln-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
pTH (1-84)(human)	100
pTH (1-34)(human)	100
pTH (7-84)(human)	11

Typical titration curve of pTH (1-84) in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.10 to 100ng/ml
Stock	1000	
S1	100.00	Add 100µl Stock + 900µl diluent
S2	25.00	Add 200µl S1 + 600µl diluent
S3	6.25	Add 200µl S2 + 600µl diluent
S4	1.56	Add 200µl S3 + 600µl diluent
S5	0.39	Add 200µl S4 + 600µl diluent
S6	0.10	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: T-4098: anti pTH (1-34) (hu) neat antiserum
T-4096: anti pTH (1-34) (hu) diluted serum
T-4097: anti pTH (1-34) (hu) purified IgG
S-1178: ELISA, high sensitivity for extracted samples (1-34) (hu)

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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EIAH

1.3.2021