



BMA BIOMEDICALS



Peninsula Laboratories

S-1178

**Parathyroid Hormone (pTH) (1-34) (human) [UniProt:
P01270]**

Parathyroid Hormone (pTH) (1-34), is a peptide fragment of the naturally occurring human parathyroid hormone. pTH is secreted from cells of the parathyroid glands and finds its major target cells in bone and kidney. It is an important regulator of calcium and phosphorus metabolism, playing a role in calcium homeostasis of bone, kidney, breast, and placenta. pTH (1-34) administration suppresses cardiovascular calcification and down-regulates aortic osteogenic programs driven by diabetes and dyslipidemia.

This ELISA was developed with serum from rabbits immunized with pTH (1-34) coupled to a carrier protein.

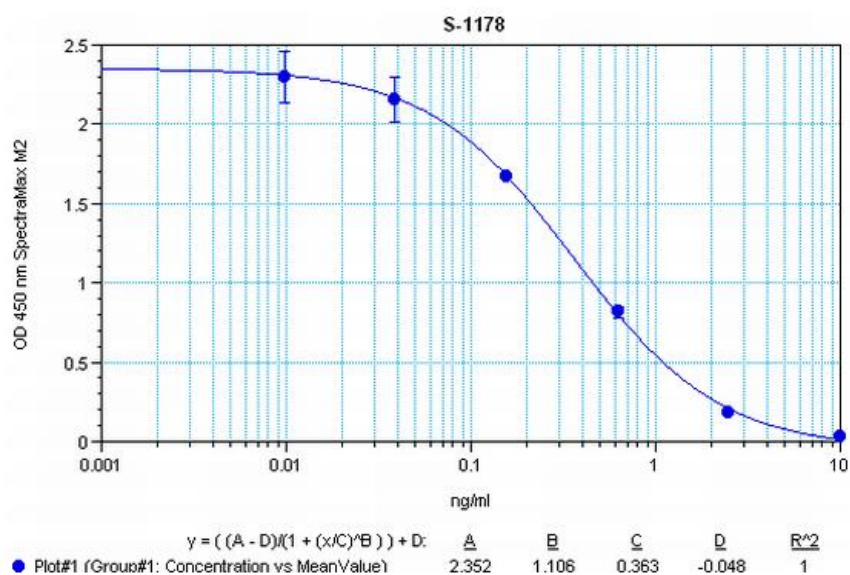
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A17165
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 - 10ng/ml
Average IC50:	0.32ng/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-OH) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Parathyroid Hormone (1-34) (human)	100
Parathyroid Hormone (1-44) (human)	0
Parathyroid Hormone (39-68) (human)	0
Parathyroid Hormone (1-84) (human)	0
[Asp ⁷⁶] Parathyroid Hormone (39-84) (human)	0
Parathyroid Hormone (1-34) (rat)	0

Typical titration curve of pTH in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.01 to 10ng/ml
Stock	1000	
S1	10.00	Add 10µl Stock + 990µl diluent
S2	2.50	Add 200µl S1 + 600µl diluent
S3	0.63	Add 200µl S2 + 600µl diluent
S4	0.16	Add 200µl S3 + 600µl diluent
S5	0.04	Add 200µl S4 + 600µl diluent
S6	0.01	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-1163: pTH(1-34) (hu) ELISA, extraction-free for human samples

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.

S-1178

EIAH – hu

4.8.2020