



BMA BIOMEDICALS



Peninsula Laboratories

S-1227

pTH-related protein (1-34) (human, mouse, rat) ELISA [UniProt: P12272, P22858, P13085]

pTH-related protein (1-34), or Parathyroid hormone-related protein, is initially translated as a 177 amino acid protein, which is then cleaved into pTH-related protein (1-34). It contains two helical domains spanning sequence, 13-18 and 20-34, and it is encoded by the pTHLH gene in human. An excessive production of pTH-related protein can cause malignancy-associated hypercalcemia.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A19PO23087
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:	0.4ng/ml
Immunogen:	Synthetic peptide H-Ala-Val-Ser-Glu-His-Gln-Leu-Leu-His-Asp-Lys-Gly-Lys-Ser-Ile-Gln-Asp-Leu-Arg-Arg-Arg-Phe-Phe-Leu-His-His-Leu-Ile-Ala-Glu-Ile-His-Thr-Ala-OH coupled to carrier protein.

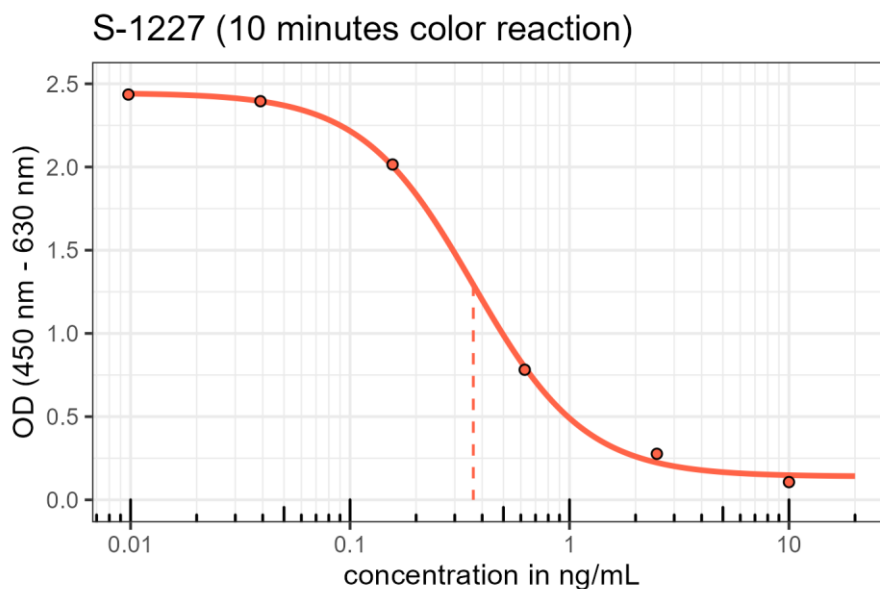
Cross-Reactivity:

PEPTIDE:	%:
pTH-Related Protein (1-34) (human)	100
pTH-Related Protein (1-37) (human)	100
pTH-Related Protein (chicken)	100
pTH (1-34) (human)	<1
pTH (1-34) (rat)	<1
pTH (1-84) (human)	<1
pTH-Related Protein (7-34) amide (human)	0
pTH-Related Protein (38-64) amide (human)	0

Cross-Reactivity (continued):

PEPTIDE:	%:
pTH-Related Protein (67-86) amide (human)	0
pTH-Related Protein (107-138) (human)	0
pTH-Related Protein (109-141) (human)	0

Typical titration curve of pTH-related protein (1-34) 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-4511: anti pTH-related protein (34), diluted antiserum (hu, ms, rt)
T-4512: anti pTH-related protein (34), purified IgG (hu, ms, rt)
T-4513: anti pTH-related protein (34), neat antiserum (hu, ms, rt)
T-5045: anti pTH-related protein (34), neat antiserum (hu, ms, rt)

This product contains ProClin™ 150 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-1227

EIAH – hu, ms, rt

15.01.2024