BMA BIOMEDICALS

Peninsula Laboratories

S-1528

Tuberoinfundibular peptide 39 (TIP39) ELISA

Tuberoinfundibular peptide 39 (TIP39) is a member of a small peptide family comprised of parathyroid hormone (PTH), parathyroid hormone-related peptide (PTHrP) and TIP39. It is coupled with the parathyroid hormone 2 receptor (PTH2R) and the TIP39-PTH2R system is a unique neuropeptide-receptor system whose localization and functions in the central nervous system are different from any other neuropeptides. TIP39 is expressed in 2 brain regions, the subparafascicular area in the posterior thalamus, and the medial paralemniscal nucleus in the lateral pons.

This ELISA was developed with serum from rabbits immunized with Tuberoinfundibular peptide 39 (TIP39) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A16214
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:	0-500ng/ml
Average IC50:	10ng/ml
Immunogen:	Synthetic peptide H-Ser-Leu-Ala-Leu-Ala-Asp-Asp-Ala-Ala-Phe-Arg-Glu-Arg-Ala-Arg-Leu-Leu-Ala-Ala-Leu-Glu-Arg-Arg-His-Trp-Leu-Asn-Ser-Tyr-Met-His-Lys-Leu-Leu-Val-Leu-Asp-Ala-Pro-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Tuberoinfundibular Peptide of 39 residues (TIP39)	100
Parathyroid Hormone (1-34) (human)	0

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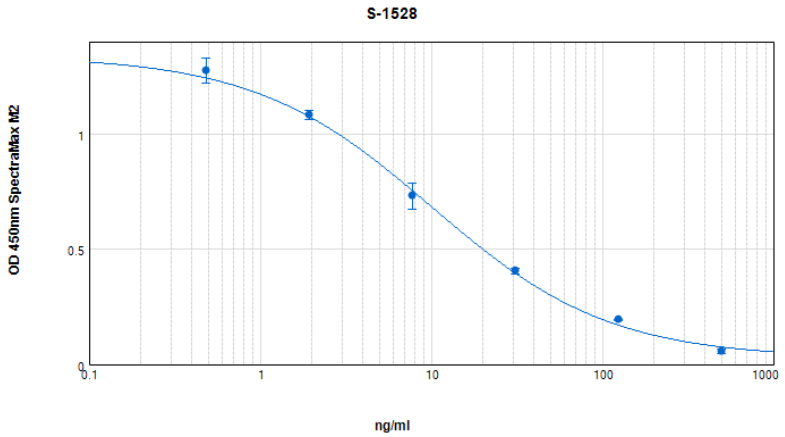
Typical titration curve of Tuberoinfundibular peptide 39 (TIP39) n a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.49 to 500ng/ml
Stock	1000	
S1	500.00	Add 250µl Stock + 250µl diluent
S2	125.00	Add 200µl S1 + 600µl diluent
S3	31.25	Add 200µl S2 + 600µl diluent
S4	7.81	Add 200µl S3 + 600µl diluent
S5	1.95	Add 200µl S4 + 600µl diluent
S6	0.49	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: T-4980: Rabbit anti TIP39, Lyophilized Antiserum for ELISA

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-1528 EIAH 1.3.2021

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