



BMA BIOMEDICALS



Peninsula Laboratories

S-1446

Leptin (116-130) amide (rat) ELISA [UniProt: P50596]

The leptin fragment (116-130) amide has the ability to mimic the effects of recombinant leptin on body weight and food intake in female ob/ob mice that lack endogenously circulating active leptin. Daily intraperitoneal administration of 1 mg of murine leptin (116-130) amide for 28 days caused a body weight loss of 3.4% (control +14.7%). Food intake was reduced by 15%.

This ELISA was developed with serum from rabbits immunized with Leptin (116-130) coupled to a carrier protein.

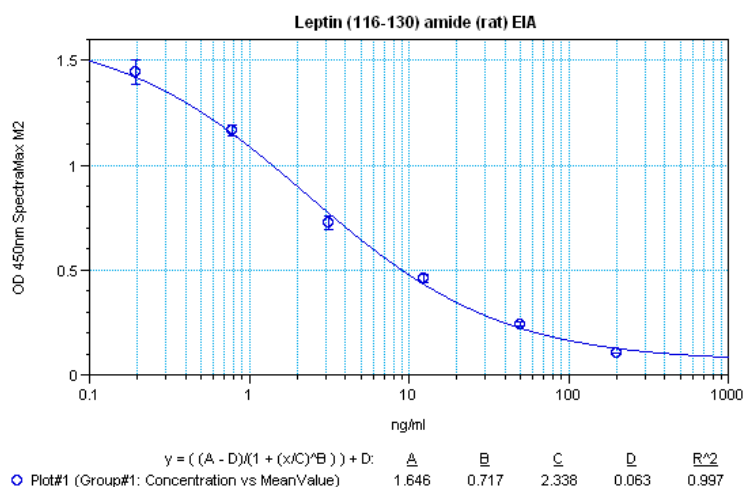
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A11983
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:	0-200ng/ml
Average IC50:	3ng/ml
Immunogen:	Synthetic peptide H-Ser-Cys-Ser-Leu-Pro-Gln-Thr-Arg-Gly-Leu-Gln-Lys-Pro-Glu-Ser-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Leptin (116-130) amide (rat)	100
Leptin (116-130) amide (mouse)	100
Leptin (116-130) amide (human)	0

Typical titration curve of Leptin (116-130) in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.20 to 200ng/ml
Stock	1000	
S1	200.00	Add 200µl Stock + 800µl diluent
S2	50.00	Add 200µl S1 + 600µl diluent
S3	12.50	Add 200µl S2 + 600µl diluent
S4	3.13	Add 200µl S3 + 600µl diluent
S5	0.78	Add 200µl S4 + 600µl diluent
S6	0.20	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: S-1439: ELISA, high sensitivity for extracted samples (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