



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1439

### Leptin (116-130) amide (human) ELISA [UniProt: P41156]

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.

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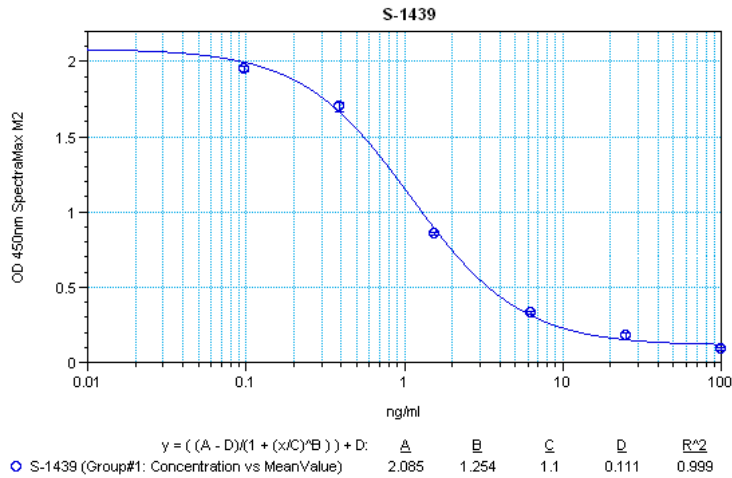
### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A08481
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	96 tests
<b>Format:</b>	Formulated for extracted samples (EIAH type).
<b>Shelf-life:</b>	One year from production date. Store refrigerated at 4° - 8°C.
<b>Applications:</b>	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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Range:</b>	0-100ng/ml
<b>Average IC50:</b>	1.2ng/ml
<b>Immunogen:</b>	Synthetic peptide Ser-Cys-His-Leu-Pro-Trp-Ala-Ser-Gly-Leu-Glu-Thr-Leu-Asp-Ser-NH <sub>2</sub> coupled to carrier protein.

#### Cross-Reactivity:

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

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



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

Related Products:                    S-1446: ELISA, high sensitivity for extracted samples (rt)

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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-1439

EIAH

1.3.2021