



BMA BIOMEDICALS



Peninsula Laboratories

S-1284

Obestatin (human) ELISA [UniProt: Q9UBU3]

Obestatin is a hormone that is produced in specialized epithelial cells of the stomach and small intestine of several animals including humans. It opposes the actions of ghrelin which are growth hormone secretion and increased appetite. The purpose of producing two hormones with opposing effects is not clear: removing the ghrelin gene from mice did not significantly reduce food intake. No secretory convertase is capable of cleaving the recombinant proghrelin precursor by cleavage at the single basic residue required for generation of the obestatin sequence. Thus, the physiological generation of this particular peptide sequence remains unproven. Obestatin has opposite action to ghrelin on food intake and plays a role in energy balance. Circuit-resistance exercise resulted in a significant change in GH levels, but had no effect on plasma Obestatin levels.

This ELISA was developed with serum from rabbits immunized with Obestatin coupled to a carrier protein.

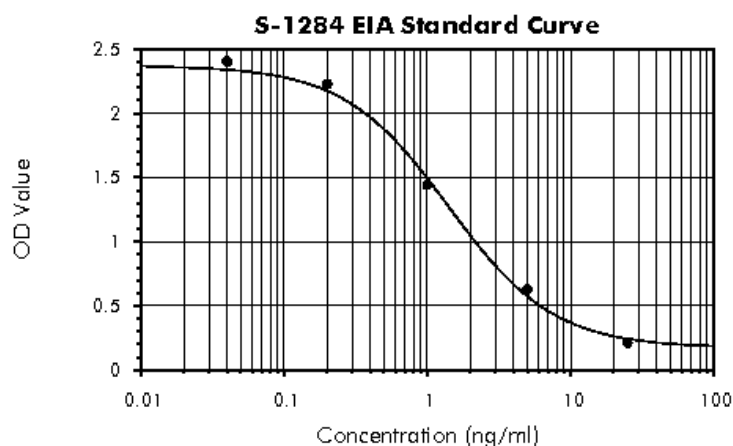
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18054
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Extraction-free kit for human serum or plasma (EIAS 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 samples of human origin (original protocol V, Ab1hr.Std2hr.BtON). For research use only. Please see www.bma.ch for protocols and general information.
Range:	0-25ng/ml
Average IC50:	1.5ng/ml
Immunogen:	Synthetic peptide H-Phe-Asn-Ala-Pro-Phe-Asp-Val-Gly-Ile-Lys-Leu-Ser-Gly-Val-Gln-Tyr-Gln-Gln-His-Ser-Gln-Ala-Leu-NH ₂ coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Obestatin (human)	100
Obestatin (rat)	2
Ghrelin (human)	0
Galanin (human)	0
ACTH 1-24 (human, bovine, mouse, ovine, porcine, rabbit, rat)	0
Neuropeptide Y (human, rat)	0

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



Suggested Preparation of Standards		
	ng/ml	Range: 0.02 to 25ng/ml
Stock	1000	
S1	25.00	Add 25µl Stock + 975µl diluent
S2	6.25	Add 200µl S1 + 600µl diluent
S3	1.56	Add 200µl S2 + 600µl diluent
S4	0.39	Add 200µl S3 + 600µl diluent
S5	0.10	Add 200µl S4 + 600µl diluent
S6	0.02	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: T-4820: Rabbit anti Obestatin (hu), purified IgG
T-4821: Rabbit anti Obestatin (rt), purified IgG

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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EIAS

1.3.2021