



BMA BIOMEDICALS



Peninsula Laboratories

β -Melanocyte Stimulating Hormone (β -MSH) (human) ELISA

β -Melanocyte-stimulating hormone (β -MSH) is an endogenous peptide hormone and neuropeptide. It is a melanocortin, specifically, one of the three types of melanocyte-stimulating hormone (MSH), and is produced from proopiomelanocortin (POMC). β -melanocyte-stimulating hormone is artificially generated because it does not exist in humans naturally. It is also known to decrease food intake in animals such as rats, chicken due to the effect of Proopiomelanocortin (POMC).

This ELISA was developed with serum from rabbits immunized with β -MSH coupled to a carrier protein.

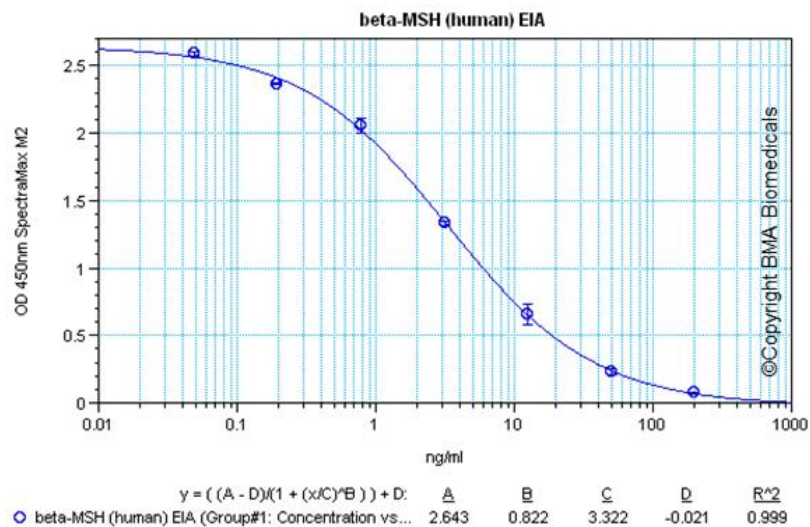
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product number:	S-1426 (Lot A07802)
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from date of purchase. 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, following protocol III. Please see www.bma.ch for protocols and general information.
Range:	0 - 200 ng/ml
Average IC₅₀:	3.0 ng/ml
Immunogen:	Synthetic peptide H-Ala-Glu-Lys-Lys-Asp-Glu-Gly-Pro-Tyr-Arg-Met-Glu-His-Phe-Arg-Trp-Gly-Ser-Pro-Pro-Lys-Asp-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
β -MSH (human)	100
β -MSH (monkey)	100
β -MSH (porcine)	100
α -MSH	0
α -MSH (salmon)	0
α -MSH (human)	0
ACTH (1-39) (human)	0
β -Endorphin (human)	0
Met-Enkephalin	0
LHRH	0

Typical titration curve of β-MSH 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:

- T-4436: Rabbit anti β-MSH, diluted antiserum, (hu)
- T-4438: Rabbit anti β-MSH, neat antiserum, (hu)

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.