



BMA BIOMEDICALS



Peninsula Laboratories

T-4436

Rabbit anti - β -Melanocyte Simulating Hormone (β -MSH) (human)

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 antibody was generated by immunization of rabbits with β -MSH coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A09581
Host species:	Rabbit IgG
Quantity:	50ml diluted antiserum, lyophilized
Format:	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against β -MSH. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
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 (human)	0
α-MSH (salmon)	0
γ-MSH (human)	0
ACTH (1-39) (human)	0
β-Endorphin (human)	0
Met-Enkephalin	0
LHRH	0

Related Products: S-1426: ELISA, high sensitivity for extracted samples
 T-4438: Rabbit anti β-MSH (hu), neat antiserum

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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diluted antiserum

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