



BMA BIOMEDICALS



Peninsula Laboratories

T-4432

Rabbit anti- α -Melanocyte Stimulating Hormone (α -MSH)

Alpha-Melanocyte Stimulating Hormone (α -MSH) belongs to a group of peptide hormones also known as melanotropins. α -MSH is a neuropeptide derived from proopiomelanocortin (POMC) which is expressed in the pituitary gland and belongs to the melanocortin family. It is well known in stimulating melanin synthesis (melanogenesis) as well as in feeding behavior and energy homeostasis. Recently, it has been found that α -MSH affects immune reactions in the host for controlling inflammation in the brain and peripheral organs.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18155
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 α -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 Ac-Ser-Tyr-Ser-Nle-Glu-His-D-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%
α -MSH	100
[Nle ⁴ , D-Phe ⁷]- α -MSH	67
α -MSH (salmon)	0.02
ACTH (1-39) (human)	0.02
ACTH (1-39) (rat)	1.25
β -MSH (human)	0
γ 3-MSH	0
β -Endorphin (human)	0
α -Endorphin	0
γ -Endorphin	0
Met-Enkephalin	0

Related Products: T-4434: anti α -MSH, neat rabbit antiserum
T-4433: anti α -MSH, purified rabbit antiserum
T-4437: anti β -MSH, purified rabbit antiserum
T-4438: anti β -MSH, neat rabbit antiserum
T-4441: anti γ ₂-MSH, purified rabbit antiserum
T-4442: anti γ ₂-MSH, neat rabbit 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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