

Product datasheet

Anti-alpha MSH antibody ab50013

Overview

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<b>Product name</b>	Anti-alpha MSH antibody
<b>Description</b>	Rabbit polyclonal to alpha MSH
<b>Host species</b>	Rabbit
<b>Specificity</b>	Anti-a-MSH cross-reacts with des-Ac-a-MSH and [Val-OH13]-a-MSH. Minimal cross-reactivity is observed with human ACTH (1-39) and ACTH (1-24).
<b>Tested applications</b>	<b>Suitable for:</b> RIA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic human MSH alpha peptide conjugated to bovine serum albumin. The mid-region sequence of MSH alpha (amino acids 4-10) is identical to the ACTH and MSH beta sequences and highly conserved in the MSH gamma sequence.
<b>General notes</b>	Affinity constant Ka: at least $1 \times 10^9$ L/M

Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
<b>Purity</b>	Ion Exchange Chromatography
<b>Purification notes</b>	Whole antiserum is fractionated and then further purified by ion-exchange chromatography to provide the IgG fraction of antiserum that is essentially free of other rabbit serum proteins.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

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Our [Abpromise guarantee](#) covers the use of **ab50013** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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RIA

**Application notes** RIA: 1/3000 (2nd antibody and polyethylene glycol method) using 5-7pg of <sup>125</sup>I-a-MSH.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

**Relevance** Melanocyte-stimulating hormone belongs to a group called the melanocortins. This group includes ACTH, alpha-MSH, beta-MSH and gamma-MSH; these peptides are all cleavage products of a large precursor peptide called pro-opiomelanocortin (POMC). Alpha-MSH is the most important melanocortin for pigmentation. It increases the pigmentation of skin by increasing melanin production in melanocytes.

**Cellular localization** Secreted

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