

Mouse Alpha-Melanocyte Stimulating Hormone (aMSH) ELISA Kit | aMSH elisa kit

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CATALOG #
AAA22793

REACTIVITY
Mouse

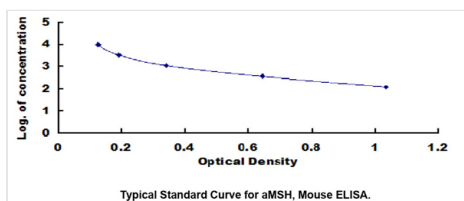
PRODUCT SYNONYMS

Alpha-Melanocyte Stimulating Hormone (aMSH); Mouse Alpha-Melanocyte Stimulating Hormone (aMSH) ELISA Kit; alpha-MSH; Intermedins; Alpha-Melanotropin; Alpha-Melanocortin; Alpha-Intermedin; aMSH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of aMSH. No significant cross-reactivity or interference between aMSH and analogues was observed.
Sequence Length	49
Assay Type	Quantitative Competitive
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	123.5-10,000pg/mL
Sensitivity	< 44.1pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level aMSH were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level aMSH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for aMSH elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to aMSH has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled aMSH and unlabeled aMSH (Standards or samples) with the pre-coated antibody specific to aMSH. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of aMSH in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of aMSH in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of aMSH in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	269979223
NCBI GeneID	102182514
Molecular Weight	5,602 Da
NCBI Official Full Name	alpha-melanocyte-stimulating hormone, partial
NCBI Official Symbol	POMC
NCBI Official Synonym Symbols	alpha-MSH
NCBI Protein Information	pro-opiomelanocortin
UniProt Protein Name	Alpha-melanocyte-stimulating hormone
UniProt Gene Name	POMC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/alpha-melanocyte-stimulating-hormone-amsh/22793>