

Rat alpha Melanocyte Stimulating Hormone ELISA Kit | alpha-MSH elisa kit

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CATALOG # AAA85938	REACTIVITY Rat
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PRODUCT SYNONYMS

alpha Melanocyte Stimulating Hormone; Rat alpha Melanocyte Stimulating Hormone ELISA Kit; Rat a Melanocyte Stimulating Hormone ELISA Kit; alpha-MSH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL/
Sensitivity	0.1ng/ml
Intended Uses	This alpha-MSH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat alpha-MSH. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for alpha-MSH elisa kit	Principle of the Assay: alpha-MSH ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-alpha-MSH antibody and an alpha-MSH-HRP conjugate. The assay sample and buffer are incubated together with alpha-MSH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the alpha-MSH concentration since alpha-MSH from samples and alpha-MSH-HRP conjugate compete for the anti-alpha-MSH antibody binding site. Since the number of sites is limited, as more sites are occupied by alpha-MSH from the sample, fewer sites are left to bind alpha-MSH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The alpha-MSH concentration in each sample is interpolated from this standard curve.
Product Categories/Family for alpha-MSH elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	269979223
Molecular Weight	5,602 Da
NCBI Official Full Name	alpha-melanocyte-stimulating hormone, partial
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/alpha-msh-rat-elisa-kits/alpha-melanocyte-stimulating-hormone/85938>