

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

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CATALOG #
AAA16182

REACTIVITY
Mouse

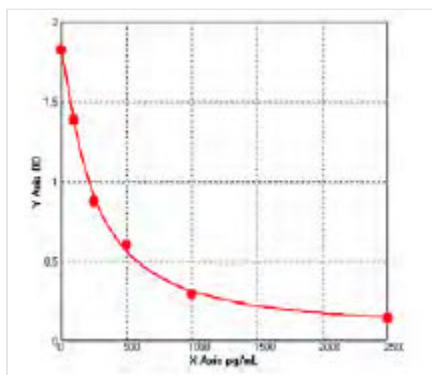
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for alpha-MSH elisa kit

Intended Uses: This alphaGAL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine alphaGAL. This ELISA kit for research use only!

Principle of the Assay: alphaGAL ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-alphaGAL antibody and an alphaGAL-HRP conjugate. The assay sample and buffer are incubated together with alphaGAL-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 alphaGAL concentration since alphaGAL from samples and alphaGAL-HRP conjugate compete for the anti-alphaGAL antibody binding site. Since the number of sites is limited, as more sites are occupied by alphaGAL from the sample, fewer sites are left to bind alphaGAL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The alphaGAL concentration in each sample is interpolated from this standard curve.

Product Categories/Family for alpha-MSH elisa kit	Signal Transduction
References	Ultraviolet B stimulates proopiomelanocortin signalling in the arcuate nucleus of the hypothalamus in mice. Cezary Skobowiat, Andrzej T. Slominski (2015)

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
UniProt Entry Name	D2JZU1_CAPHI

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/alpha-msh-mouse-elisa-kits/alpha-melanocyte-stimulating-hormone/16182>