

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

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CATALOG #
AAA16880

REACTIVITY
Bovine

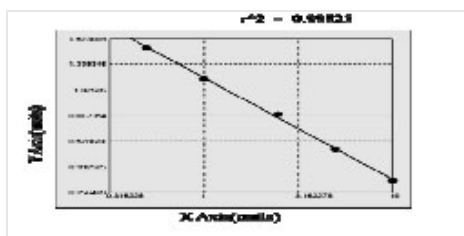
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/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 alphaMSH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine alphaMSH. This ELISA kit for research use only!

Principle of the Assay: alphaMSH ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-alphaMSH antibody and an alphaMSH-HRP conjugate. The assay sample and buffer are incubated together with alphaMSH-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 alphaMSH concentration since alphaMSH from samples and alphaMSH-HRP conjugate compete for the anti-alphaMSH antibody binding site. Since the number of sites is limited, as more sites are occupied by alphaMSH from the sample, fewer sites are left to bind alphaMSH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The alphaMSH 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
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-bovine-ovine-elisa-kits/alpha-melanocyte-stimulating-hormone/16880>