

ARG80900 Alpha Melanocyte Stimulating Hormone (Alpha MSH) ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	This Enzyme Immunoassay kit is designed to detect a specific peptide and its related peptides based on the principle of "competitive" enzyme immunoassay.
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA
Target Name	Alpha Melanocyte Stimulating Hormone (Alpha MSH)
Immunogen	Ac-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH ₂
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.11 ng/ml
Detection Range	0.11 - 1.46 ng/ml (linear range)
Sample Type	Blood collection; Plasma extraction; Tissue extraction; CSF extraction; Cell culture
Standard Range	0.01 - 100 ng/ml
Sample Volume	50 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 15%
Alternate Names	Alpha-MSH; Beta-MSH; CLIP; Gamma-MSH; LPH; Corticotropin-lipotropin; NPP; ACTH; POMC; Gamma-LPH; Adrenocorticotrophic hormone; MSH; Beta-LPH; Pro-opiomelanocortin; POC

Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	alpha MSH
Gene Full Name	melanocyte stimulating hormones, alpha
Background	α -Melanocyte-stimulating hormone (alpha-MSH; α -MSH), also known as alpha-melanotropin, alpha-melanocortin, or alpha-intermedin, is a naturally occurring endogenous peptide hormone of the melanocortin family, with a tridecapeptide structure and the amino acid sequence Ac-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH ₂ . It is the most important of the melanocyte-stimulating hormones (MSHs; also known as melanotropins) in stimulating melanogenesis, a process that in mammals (including humans) is responsible for pigmentation primarily of the hair and skin. It also plays a role in feeding behavior, energy homeostasis, and sexual activity.

Highlight

Related news:

[Studying obesity and appetite control by quantifying orexigenic and anorexigenic hormones;](#)

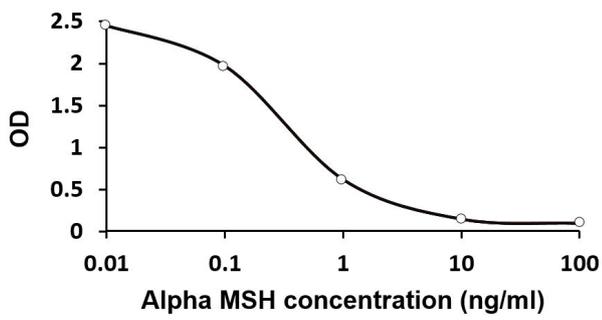
Research Area

Cancer kit; Metabolism kit; Neuroscience kit; Signaling Transduction kit

PTM

Specific enzymatic cleavages at paired basic residues yield the different active peptides.
O-glycosylated; reducing sugar is probably N-acetylgalactosamine.

Images



ARG80900 Alpha Melanocyte Stimulating Hormone (Alpha MSH)
ELISA Kit standard curve image

ARG80900 Alpha Melanocyte Stimulating Hormone (Alpha MSH)
ELISA Kit results of a typical standard run with optical density
reading at 450 nm.
