

Bovine Proopiomelanocortin ELISA Kit | POMC elisa kit

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CATALOG #
AAA90857

REACTIVITY
Bovine

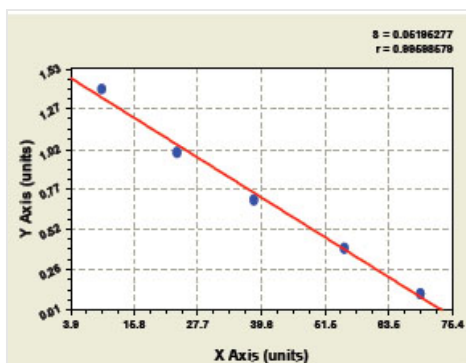
PRODUCT SYNONYMS

Proopiomelanocortin; Bovine Proopiomelanocortin ELISA Kit; POMC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	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 POMC elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This POMC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine POMC. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456609
NCBI GeneID	5443
UniProt Accession #	Q6FHC8; P01189
Molecular Weight	29,410 Da
NCBI Official Full Name	POMC, partial
NCBI Official Synonym Full Names	proopiomelanocortin
NCBI Official Symbol	POMC
NCBI Official Synonym Symbols	LPH; MSH; NPP; POC; ACTH; CLIP
NCBI Protein Information	pro-opiomelanocortin; beta-LPH; beta-MSH; alpha-MSH; gamma-LPH; gamma-MSH; beta-endorphin; met-enkephalin; lipotropin beta; lipotropin gamma; melanotropin beta; melanotropin alpha; melanotropin gamma; pro-ACTH-endorphin; adrenocorticotropin; corticotropin-lipotropin; adrenocorticotropic hormone; opiomelanocortin prepropeptide; proopiomelanocortin preproprotein; beta-melanocyte-stimulating hormone; alpha-melanocyte-stimulating hormone; corticotropin-like intermediary peptide
UniProt Protein Name	POMC protein
UniProt Gene Name	POMC
UniProt Entry Name	Q6FHC8_HUMAN

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.