

Human Proopiomelanocortin (POMC) ELISA Kit | POMC elisa kit

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CATALOG #
AAA138377

REACTIVITY
Human

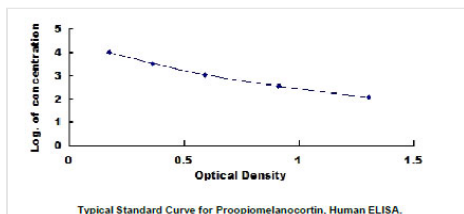
PRODUCT SYNONYMS

Proopiomelanocortin (POMC); Human Proopiomelanocortin (POMC) ELISA Kit; POC; NPP; ProOMC; ACTH; Pro-OMC; Pro Opiomelanocortin; Corticotropin-lipotropin; Corticotropin; Adrenocorticotrophic hormone; POMC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of proopiomelanocortin. No significant cross-reactivity or interference between proopiomelanocortin and analogues was observed.
Sequence Length	267
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	123.5-10,000pg/mL
Sensitivity	51.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level proopiomelanocortin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level proopiomelanocortin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for POMC elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of proopiomelanocortin in human serum, plasma and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to proopiomelanocortin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled proopiomelanocortin and unlabeled proopiomelanocortin (Standards or samples) with the pre-coated antibody specific to proopiomelanocortin. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of proopiomelanocortin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of proopiomelanocortin in the sample.
Product Categories/Family for POMC elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	998476
NCBI GeneID	5443
UniProt Accession #	P01189; P78442; Q53T23; Q9UD39; Q9UD40
Molecular Weight	29,424 Da
NCBI Official Full Name	proopiomelanocortin, 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
UniProt Protein Name	Pro-opiomelanocortin
UniProt Gene Name	POMC
UniProt Synonym Gene Names	POMC; ACTH; CLIP
UniProt Entry Name	COLI_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/proopiomelanocortin-pomc/138377>