

Human proopiomelanocortin ELISA Kit | POMC elisa kit

Human pro-opiomelanocortin, POMC ELISA Kit

CATALOG #
AAA80626

REACTIVITY
Human

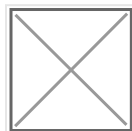
PRODUCT SYNONYMS

proopiomelanocortin; Human pro-opiomelanocortin; POMC ELISA Kit; ACTH; CLIP; LPH; MSH; NPP; POC; OTTHUMP00000119991; OTTHUMP00000200964; adrenocorticotrophic hormone; adrenocorticotropin; alpha-MSH; alpha-melanocyte-stimulating hormone; beta-LPH; beta-MSH; beta-endorphin; ; POMC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human POMC. No significant cross-reactivity or interference between Human POMC and analogues was observed.
Sequence Length	267
Samples	Serum, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	78 pg/ml-5000 pg/ml
Sensitivity	19.5 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for POMC elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for POMC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any POMC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for POMC is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of POMC bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505949
NCBI GeneID	5443
NCBI Accession #	NP_000930.1
NCBI GenBank Nucleotide #	NM_000939.2
UniProt Accession #	P01189; P78442; Q53T23; Q9UD39; Q9UD40
Molecular Weight	29,424 Da
NCBI Official Full Name	pro-opiomelanocortin preproprotein
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	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://stage.aaabiotech.com/pomc-human-elisa-kits/proopiomelanocortin/80626>