

Human Proopiomelanocortin ELISA Kit | POMC elisa kit

Human Proopiomelanocortin ELISA Kit

CATALOG #
AAA83443

REACTIVITY
Human

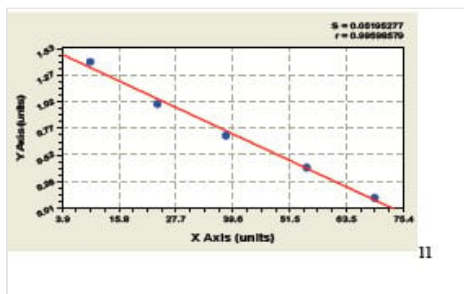
PRODUCT SYNONYMS

Proopiomelanocortin; Human Proopiomelanocortin ELISA Kit; POMC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This POMC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human POMC. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for POMC elisa kit

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.

Product Categories/Family for POMC elisa kit

Neurobiology

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.

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Online datasheet: <https://www.aaabiotech.com/pomc-human-elisa-kits/proopiomelanocortin/83443>