

Human Homeodomain Only Protein ELISA Kit | HOP elisa kit

Human Homeodomain Only Protein (HOP) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA190005

REACTIVITY
Human

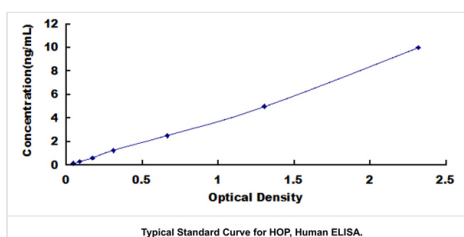
PRODUCT SYNONYMS

Homeodomain Only Protein; Human Homeodomain Only Protein (HOP) (Sandwich ELISA) ELISA Kit; HOPX; Cameo; LAGY; NECC1; OB1; SMAP31; HOD; Toto; Lung cancer-associated Y protein; Not expressed in choriocarcinoma protein 1; Odd homeobox protein 1; ELISA Kit for Homeodomain Only Protein (HOP); HOP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HOP. No significant cross-reactivity or interference between HOP and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HOP 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 HOP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HOP elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HOP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to HOP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HOP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of HOP in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HOP in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for HOP elisa kit	Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	224451023
NCBI GeneID	84525
NCBI Accession #	NP_001138931.1
NCBI GenBank Nucleotide #	NM_001145459.1
UniProt Accession #	Q9BPY8; Q8N0V6; Q96CI1; A8K0Z2; E9PB55; G3V294
Molecular Weight	73
NCBI Official Full Name	homeodomain-only protein isoform b
NCBI Official Synonym Full Names	HOP homeobox
NCBI Official Symbol	HOPX
NCBI Official Synonym Symbols	HOD; HOP; OB1; LAGY; TOTO; CAMEO; NECC1; SMAP31
NCBI Protein Information	homeodomain-only protein; odd homeobox 1 protein; odd homeobox protein 1; lung cancer-associated Y protein; not expressed in choriocarcinoma clone 1; not expressed in choriocarcinoma protein 1
UniProt Protein Name	Homeodomain-only protein
UniProt Gene Name	HOPX
UniProt Synonym Gene Names	HOD; HOP; LAGY; NECC1; OB1
UniProt Entry Name	HOP_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.