

Human Thimet Oligopeptidase 1 (THOP1) ELISA Kit | THOP1 elisa kit

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CATALOG #
AAA187228

REACTIVITY
Human

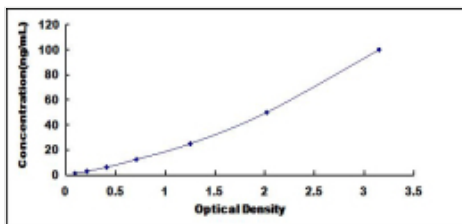
PRODUCT SYNONYMS

Thimet Oligopeptidase 1 (THOP1); Human Thimet Oligopeptidase 1 (THOP1) ELISA Kit; EP24.15; MEPD_HUMAN; MP78; Endopeptidase 24.15; THOP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Thimet Oligopeptidase 1 (THOP1). No significant cross-reactivity or interference between Thimet Oligopeptidase 1 (THOP1) and analogues was observed.
Sequence Length	258
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.63ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Thimet Oligopeptidase 1 (THOP1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Thimet Oligopeptidase 1 (THOP1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 THOP1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Thimet Oligopeptidase 1 (THOP1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Thimet Oligopeptidase 1 (THOP1). 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 Thimet Oligopeptidase 1 (THOP1), 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 Thimet Oligopeptidase 1 (THOP1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15530205
NCBI GeneID	7064
UniProt Accession #	P52888; Q9UCB3; B3KSE2
Molecular Weight	28,908 Da
NCBI Official Full Name	Thimet oligopeptidase 1
NCBI Official Synonym Full Names	thimet oligopeptidase 1
NCBI Official Symbol	THOP1
NCBI Official Synonym Symbols	TOP; MP78; EP24.15; MEPD_HUMAN
NCBI Protein Information	thimet oligopeptidase
UniProt Protein Name	Thimet oligopeptidase
UniProt Gene Name	THOP1

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/thimet-oligopeptidase-1-thop1/187228>