

Human Calcyphosine (CAPS) ELISA Kit | CAPS elisa kit

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CATALOG #
AAA64057

REACTIVITY
Human

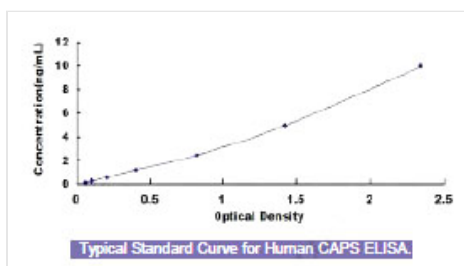
PRODUCT SYNONYMS

Calcyphosine (CAPS); Human Calcyphosine (CAPS) ELISA Kit; CAPS1; Thyroid Protein p24; Calcyphosin; CAPS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CAPS. No significant cross-reactivity or interference between CAPS and analogues was observed.
Sequence Length	1353
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.052ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CAPS 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 CAPS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAPS elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CAPS in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CAPS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CAPS. 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 CAPS, 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 CAPS 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 #	34452715
NCBI GeneID	8618
NCBI Accession #	NP_003707.2
NCBI GenBank Nucleotide #	NM_003716.3
UniProt Accession #	Q9ULU8; Q13339; Q6GQQ6; Q8N2Z5; Q8N3M7; Q8NFR0; Q96BC2; A6NF60
Molecular Weight	50,236 Da
NCBI Official Full Name	calcium-dependent secretion activator 1 isoform 1
NCBI Official Synonym Full Names	calcium dependent secretion activator
NCBI Official Symbol	CADPS
NCBI Official Synonym Symbols	CAPS; CAPS1; CADPS1; UNC-31
NCBI Protein Information	calcium-dependent secretion activator 1
UniProt Protein Name	Calcium-dependent secretion activator 1
UniProt Gene Name	CADPS
UniProt Synonym Gene Names	CAPS; CAPS1; KIAA1121; CAPS-1

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.