

Human Coactosin Like Protein 1 (COTL1) ELISA Kit | COTL1 elisa kit

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CATALOG #
AAA63533

REACTIVITY
Human

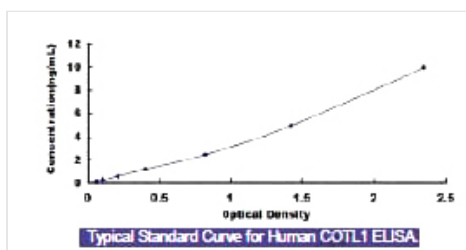
PRODUCT SYNONYMS

Coactosin Like Protein 1 (COTL1); Human Coactosin Like Protein 1 (COTL1) ELISA Kit; CLP; COTL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COTL1. No significant cross-reactivity or interference between COTL1 and analogues was observed.
Sequence Length	142
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level COTL1 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 COTL1 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 COTL1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of COTL1 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 COTL1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to COTL1. 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 COTL1, 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 COTL1 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 #	21624607
NCBI GeneID	23406
NCBI Accession #	NP_066972.1
NCBI GenBank Nucleotide #	NM_021149.3
UniProt Accession #	Q14019; Q86XM5; B2RDU3; D3DUL9
Molecular Weight	15,945 Da
NCBI Official Full Name	coactosin-like protein
NCBI Official Synonym Full Names	coactosin like F-actin binding protein 1
NCBI Official Symbol	COTL1
NCBI Official Synonym Symbols	CLP
NCBI Protein Information	coactosin-like protein
UniProt Protein Name	Coactosin-like protein
UniProt Gene Name	COTL1
UniProt Synonym Gene Names	CLP

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/human-elisa-kits/coactosin-like-protein-1-cotl1/63533>