

Human Coactosin-like protein ELISA Kit | COTL1 elisa kit

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CATALOG #
AAA97940

REACTIVITY
Human

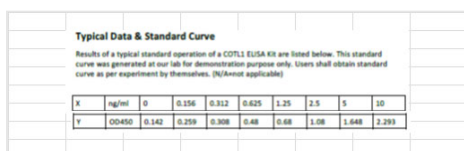
PRODUCT SYNONYMS

Coactosin-like protein; Human Coactosin-like protein ELISA Kit; COTL1/Coactosin-like protein; 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
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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<8%
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<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COTL1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-COTL1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- COTL1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the COTL1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of COTL1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21624607
NCBI GeneID	23406
NCBI Accession #	NP_066972.1
NCBI GenBank Nucleotide #	NM_021149.3
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
UniProt Entry Name	COTL1_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://stage.aaabiotech.com/cotl1-human-elisa-kits/coactosin-like-protein/97940>