

Human Coactosin like protein (COTL1) ELISA Kit | COTL1 elisa kit

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CATALOG #
AAA247045

REACTIVITY
Human

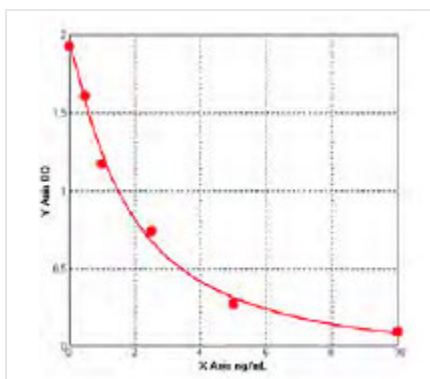
PRODUCT SYNONYMS

Coactosin like protein (COTL1); Human Coactosin like protein (COTL1) ELISA Kit; COTL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COTL1 elisa kit

Intended Uses: This Cortisol ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine Cortisol. This ELISA kit for research use only!

Principle of the Assay: Cortisol ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Cortisol antibody and an Cortisol-HRP conjugate. The assay sample and buffer are incubated together with Cortisol-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Cortisol concentration since Cortisol from samples and Cortisol-HRP conjugate compete for the anti-Cortisol antibody binding site. Since the number of sites is limited, as more sites are occupied by Cortisol from the sample, fewer sites are left to bind Cortisol-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Cortisol concentration in each sample is interpolated from this standard curve.

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; coactosin-like 1
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.