

Human Cochlin (COCH) ELISA Kit | COCH elisa kit

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CATALOG #
AAA245103

REACTIVITY
Human

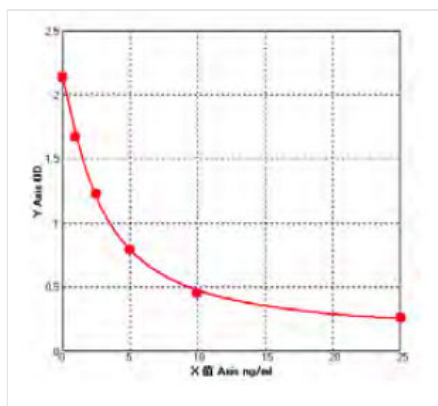
PRODUCT SYNONYMS

Cochlin (COCH); Human Cochlin (COCH) ELISA Kit; COCH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COCH. No significant cross-reactivity or interference between COCH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COCH and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COCH elisa kit	Intended Uses: This COCH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COCH. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: COCH ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-COCH antibody and an COCH-HRP conjugate. The assay sample and buffer are incubated together with COCH-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 COCH concentration since COCH from samples and COCH-HRP conjugate compete for the anti-COCH antibody binding site. Since the number of sites is limited, as more sites are occupied by COCH from the sample, fewer sites are left to bind COCH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COCH concentration in each sample is interpolated from this standard curve.
Product Categories/Family for COCH elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	205277471
NCBI GeneID	1690
NCBI Accession #	NP_001128530.1
NCBI GenBank Nucleotide #	NM_001135058.1
Molecular Weight	59,483 Da
NCBI Official Full Name	cochlin
NCBI Official Synonym Full Names	cochlin
NCBI Official Symbol	COCH
NCBI Official Synonym Symbols	DFNA9; COCH5B2; COCH-5B2
NCBI Protein Information	cochlin; coagulation factor C homolog, cochlin (Limulus polyphemus)
UniProt Protein Name	Cochlin
UniProt Gene Name	COCH
UniProt Synonym Gene Names	COCH5B2; UNQ257/PRO294
UniProt Entry Name	COCH_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.