

Datasheet for ABIN6720361

Clusterin ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	1 kit
Target:	Clusterin (CLU)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.78 ng/mL - 50 ng/mL
Minimum Detection Limit:	0.78 ng/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Saliva, Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: AAG4, Aging associated protein 4, APO J, APOJ, CLI, CLU, CLU1, CLU2, Clusterin, Complement associated protein SP 40,40, Complement cytolysis inhibitor, Complement lysis inhibitor, Ku70 binding protein 1, KUB1, NA1/NA2, SGP 2, SGP2, SP 40, SP40, Sulfated glycoprotein 2, Testosterone repressed prostate message 2, TRPM 2, TRPM2</p> <p>Background: Clusterin(apolipoprotein J) is a 75 - 80 kDa disulfide-linked heterodimeric protein associated with the clearance of cellular debris and apoptosis.[1] In humans, clusterin is encoded by the CLU gene. This protein has several synonyms: dimeric acidic glycoprotein(DAG protein), testosterone repressed prostate message-2(TRPM-2), sulfated glycoprotein-2(SGP-2)</p>

Product Details

and complement lysis inhibitor(CLI). Clusterin was mapped to mouse chromosome 14.

Clusterin is a ubiquitously expressed molecule thought to influence a variety of processes including cell death. In the brain, it accumulates in dying neurons following seizures and hypoxic-ischemic(H-I) injury. clusterin may be a new therapeutic target to modulate non-caspase-dependent neuronal death following acute brain injury.

Gene Name: CLU

Production: Natural and recombinant human Clusterin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: D23-R227(beta)&S228-E449(alpha)

Target Details

Target:	Clusterin (CLU)
Alternative Name:	Clusterin (CLU Products)
Gene ID:	1191
NCBI Accession:	NP_001822
UniProt:	P10909
Pathways:	Apoptosis , Negative Regulation of intrinsic apoptotic Signaling

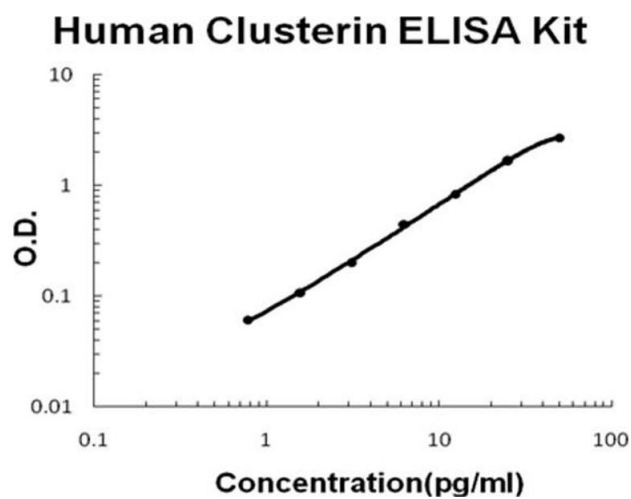
Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 50 ng/mL, 25 ng/mL, 12.5 ng/mL, 6.25 ng/mL, 3.12 ng/mL, 1.56 ng/mL, 0.78 ng/mL human Clusterin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA), saliva or urine to each empty well. We recommend that each human Clusterin standard solution and each sample is measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 0.78 ng/mL-50 ng/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human Clusterin Accusignal ELISA Kit Human Clusterin AccuSignal ELISA Kit standard curve. Assay Range: 0.78ng/ml-50ng/ml. Sensitivity: <20pg/ml.