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Clusterin ELISA Kit





Overview

Quantity:	1 kit
Target:	Clusterin (CLU)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	312 pg/mL - 20000 pg/mL
Minimum Detection Limit:	312 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: AAG4, Aging associated protein 4, APO J, APOJ, CLI, CLU, CLU1, CLU2, Clusterin,

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

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)

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 noncaspase-dependent neuronal death following acute brain injury.

Gene Name: CLU

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

Standard: Expression system for standard: NSO, Immunogen sequence: D22-R226(beta)&S227-E448(alpha)

Target Details

Target:	Clusterin (CLU)
Alternative Name:	Clusterin (CLU Products)
Gene ID:	12759
NCBI Accession:	NP_038520
UniProt:	Q06890
Pathways:	Apoptosis, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 20000pg/mL, 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL,

625pg/mL, 312pg/mL mouse 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to

each empty well. It is recommended that each mouse Clusterin standard solution and each

sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 312pg/mL-20000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

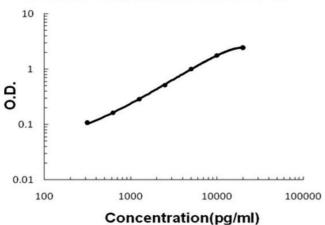
Restrictions: For Research Use only

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

Mouse Clusterin ELISA Kit



ELISA

Image 1. Mouse Clusterin Accusignal ELISA Kit Mouse Clusterin AccuSignal ELISA Kit standard curve. Assay Range: 312pg/ml-20000pg/ml. Sensitivity: <10pg/ml.