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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for KOA0559

Mouse Clusterin ELISA Kit

Overview

Description:	Mouse Clusterin AccuSignal ELISA Kit - KOA0559
Item No.:	KOA0559
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	312 pg/ml - 20000 pg/ml

Product Details

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 non-caspase-dependent neuronal death following acute brain injury.
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
Detection Kit Type:	ELISA Kit
Detection Range:	312 pg/ml - 20000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CLU
Reactivity:	Mouse

Immunogen:	Expression system for standard: NSO; Immunogen sequence: D22-R226(beta)&S227-E448 (alpha)
Purity/Specificity:	Natural and recombinant mouse Clusterin. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q06890 • NCBI - NP_038520.2 • GeneID - 12759 • KOA0559 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

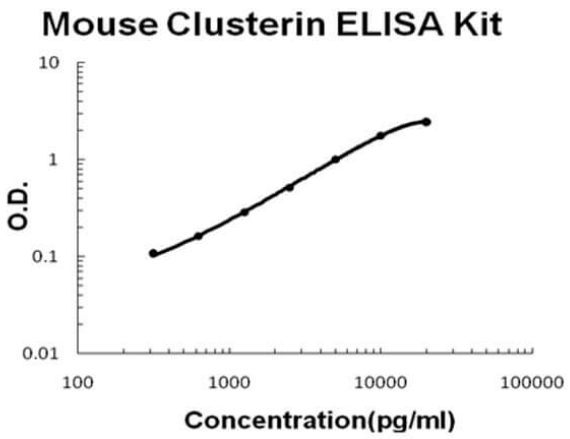
Formulation

Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images



ELISA

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

Disclaimer

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