

Datasheet for KOA0551

Human Clusterin ELISA Kit**Overview**

Description:	Human Clusterin AccuSignal ELISA Kit - KOA0551
Item No.:	KOA0551
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	0.78 ng/ml - 50 ng/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:	0.78 ng/ml - 50 ng/ml
Sensitivity:	<20 pg/ml

Target Details

Gene Name:	CLU
Reactivity:	Human

Immunogen:	Expression system for standard: NSO; Immunogen sequence: D23-R227(beta)&S228-E449 (alpha)
Purity/Specificity:	Natural and recombinant human Clusterin. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P10909 • NCBI - NP_001822.3 • GeneID - 1191 • KOA0551 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml, 0.78ng/ml human 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 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

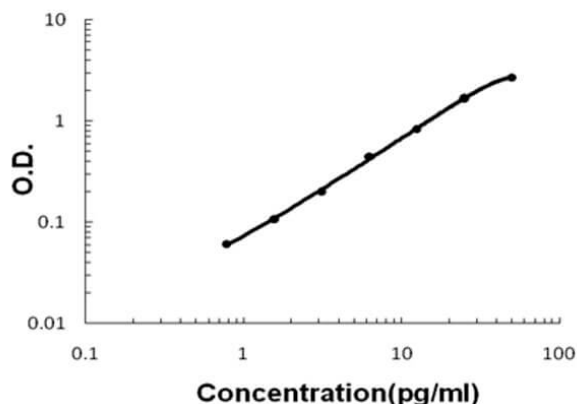
Anticoagulant:	Heparin Sodium
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Shipping & Handling

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

Human Clusterin ELISA Kit



ELISA

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

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.