

Mouse Clusterin ELISA Kit | CLU elisa kit

Mouse Clusterin PicoKine ELISA Kit

CATALOG #
AAA45542

REACTIVITY
Mouse

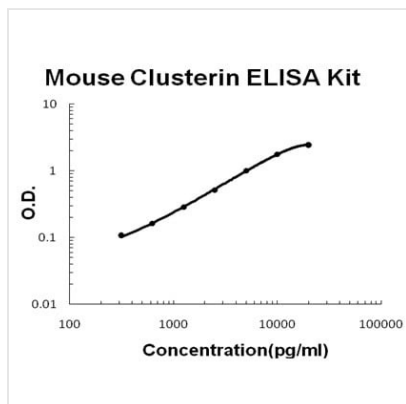
PRODUCT SYNONYMS

Clusterin; Mouse Clusterin PicoKine ELISA Kit; clusterin; AAG4; Aging associated protein 4; APO J; APOJ; CLI; CLU; CLU1; CLU2; 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; CLU elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Clusterin
Sequence Length	448
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse Clusterin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CLU elisa kit	Principle of the assay: mouse Clusterin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Clusterin has been precoated onto 96-well plates. Standards(NSO, D22-R226(beta)&S227-E448(alpha)) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Clusterin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse Clusterin amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	729152
NCBI GeneID	12759
UniProt Accession #	Q06890
Molecular Weight	51,656 Da
NCBI Official Full Name	Clusterin
NCBI Official Synonym Full Names	clusterin
NCBI Official Symbol	Clu
NCBI Official Synonym Symbols	Cli; ApoJ; Sgp2; SP-40; Sgp-2; Sugp-2; A1893575; D14Ucla3
NCBI Protein Information	clusterin; apo-J; clustrin; Apolipoprotein J; sulfated glycoprotein 2; complement lysis inhibitor; testosterone repressed prostate message; testosterone repressed prostate message-2
UniProt Protein Name	Clusterin
UniProt Gene Name	Clu
UniProt Synonym Gene Names	Apoj; Msgp-2; Apo-J; SGP-2
UniProt Entry Name	CLUS_MOUSE

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.