

Human Clusterin (CLU) ELISA Kit | CLU elisa kit

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CATALOG #
AAA331968

REACTIVITY
Human

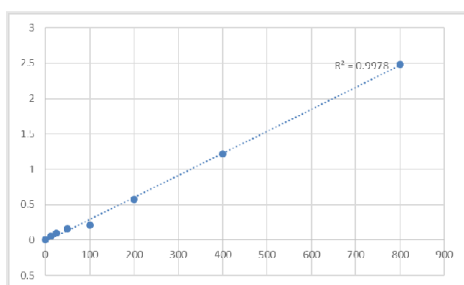
PRODUCT SYNONYMS

Clusterin (CLU); Human Clusterin (CLU) ELISA Kit; AAG4; APOJ; CLI; KUB1; MGC24903; SGP-2; SGP2; SP-40; TRPM-2; TRPM2; aging-associated protein 4; apolipoprotein J; clusterin (complement lysis inhibitor; 40; sulfated glycoprotein 2; testosterone; CLU elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Clusterin (CLU) ELISA Kit has high sensitivity and excellent specificity for detection of Human CLU. No significant cross-reactivity or interference between Human CLU and analogues was observed.
Sequence Length	449
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Clusterin (CLU) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for CLU elisa kit	Description: This Human Clusterin (CLU) ELISA Kit employs a two-site sandwich ELISA to quantitate CLU in samples. An antibody specific for CLU has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CLU present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CLU is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CLU bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Clusterin (apolipoprotein J) is a 75 - 80 kDa disulfide-linked heterodimeric protein associated with the clearance of cellular debris and apoptosis. 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).This protein was first identified in 1988 in seminal fluid.In humans the gene is encoded on chromosome 8 (8p21) and is highly conserved between species (70-80% homology).It is expressed in most mammalian tissues and can be found in blood plasma, milk, urine, cerebrospinal fluid and semen. A number of proteins have been found to affect its expression including Egr-1, members from the AP-1 complex, HSF1/2, Cdx1/2 and B-Myb.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	355594753
NCBI GeneID	1191
NCBI Accession #	NP_001822.3
NCBI GenBank Nucleotide #	NP_001822.3
UniProt Accession #	P10909
NCBI Official Full Name	clusterin preproprotein
NCBI Official Synonym Full Names	clusterin
NCBI Official Symbol	CLU
NCBI Official Synonym Symbols	CLI; AAG4; APOJ; CLU1; CLU2; KUB1; SGP2; APO-J; SGP-2; SP-40; TRPM2; TRPM-2; NA1/NA2
NCBI Protein Information	clusterin
UniProt Protein Name	Clusterin
UniProt Gene Name	CLU
UniProt Synonym Gene Names	APOJ; CLI; KUB1; Apo-J; CLI; TRPM-2
UniProt Entry Name	CLUS_HUMAN

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.