

Human Low Density Lipoprotein (LDL) CLIA Kit | LDL clia kit

Human Low Density Lipoprotein (LDL) CLIA Kit

CATALOG # AAA189005	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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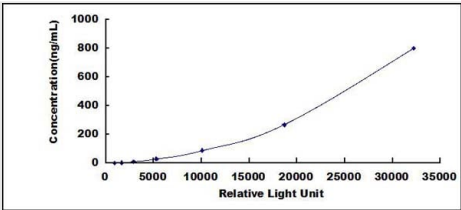
PRODUCT SYNONYMS

Low Density Lipoprotein (LDL); Human Low Density Lipoprotein (LDL) CLIA Kit; Low Density Lipoprotein; LDL clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Low Density Lipoprotein (LDL). No significant cross-reactivity or interference between Low Density Lipoprotein (LDL) and analogues was observed.
Sequence Length	76
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.10-800ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.54ng/mL
Applicable Applications for LDL clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Low Density Lipoprotein (LDL) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Low Density Lipoprotein (LDL) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Low Density Lipoprotein (LDL). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Low Density Lipoprotein (LDL). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Low Density Lipoprotein (LDL) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	306411097
NCBI GeneID	3949
NCBI Official Full Name	low density lipoprotein, partial
NCBI Official Synonym Full Names	low density lipoprotein receptor
NCBI Official Symbol	LDLR
NCBI Official Synonym Symbols	FH; FHC; FHCL1; LDLCQ2
NCBI Protein Information	low-density lipoprotein receptor

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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/low-density-lipoprotein-ldl/189005>