

## Sheep Low Density Lipoprotein ELISA Kit | LDL elisa kit

Sheep Low Density Lipoprotein ELISA Kit

CATALOG #  
**AAA89382**

REACTIVITY  
**Sheep**

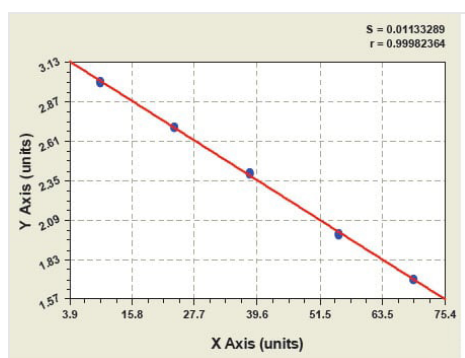
### PRODUCT SYNONYMS

Low Density Lipoprotein; Sheep Low Density Lipoprotein ELISA Kit; LDL elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                           |
| Assay Type              | Competitive                                                                                                                                                                          |
| Sensitivity             | 1.0 pg/mL.                                                                                                                                                                           |
| Intended Uses           | This LDL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep LDL. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                  |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for LDL elisa kit

**Principle of the assay:** LDL ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LDL antibody and an LDL-HRP conjugate. The assay sample and buffer are incubated together with LDL-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LDL concentration since LDL from samples and LDL-HRP conjugate compete for the anti-LDL antibody binding site. Since the number of sites is limited, as more sites are occupied by LDL from the sample, fewer sites are left to bind LDL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LDL concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for LDL elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

|                         |                                  |
|-------------------------|----------------------------------|
| NCBI GI #               | 306411097                        |
| Molecular Weight        | 8,219 Da                         |
| NCBI Official Full Name | low density lipoprotein, partial |
| UniProt Protein Name    | Low density lipoprotein          |
| UniProt Gene Name       | LDLR                             |
| UniProt Entry Name      | E1B4T0_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.

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Online datasheet: <https://stage.aaabiotech.com/ldl-sheep-elisa-kits/low-density-lipoprotein/89382>