

## Sheep Apolipoprotein C1 ELISA Kit | APOC1 elisa kit

Sheep Apolipoprotein C1 ELISA Kit

CATALOG #  
**AAA89561**

REACTIVITY  
**Sheep**

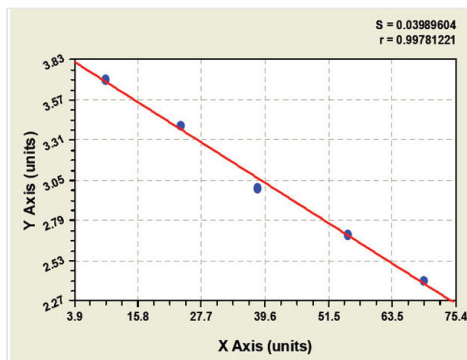
### PRODUCT SYNONYMS

Apolipoprotein C1; Sheep Apolipoprotein C1 ELISA Kit; APOC1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                               |
| Assay Type              | Competitive                                                                                                                                                                              |
| Detection Range         | 10-250ng/mL                                                                                                                                                                              |
| Sensitivity             | 1.0ng/mL                                                                                                                                                                                 |
| Intended Uses           | This APOC1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep APOC1. 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 APOC1 elisa kit

**Principle of the Assay:** APOC1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-APOC1 antibody and an APOC1-HRP conjugate. The assay sample and buffer are incubated together with APOC1-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 APOC1 concentration since APOC1 from samples and APOC1-HRP conjugate compete for the anti-APOC1 antibody binding site. Since the number of sites is limited, as more sites are occupied by APOC1 from the sample, fewer sites are left to bind APOC1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The APOC1 concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| NCBI GI #                        | 4502157                                                                               |
| NCBI GeneID                      | 341                                                                                   |
| NCBI Accession #                 | NP_001636.1                                                                           |
| NCBI GenBank Nucleotide #        | NM_001645.3                                                                           |
| Molecular Weight                 | 9,332 Da                                                                              |
| NCBI Official Full Name          | apolipoprotein C-I                                                                    |
| NCBI Official Synonym Full Names | apolipoprotein C-I                                                                    |
| NCBI Official Symbol             | APOC1                                                                                 |
| NCBI Protein Information         | apolipoprotein C-I; apo-C1B; apoC-1B; apolipoprotein C1; apolipoprotein C-I variant I |
| UniProt Protein Name             | Apolipoprotein C-I                                                                    |
| UniProt Gene Name                | <b>APOC1</b>                                                                          |
| UniProt Entry Name               | APOC1_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.