

Sheep Apolipoprotein C4 ELISA Kit | APOC4 elisa kit

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CATALOG #
AAA90056

REACTIVITY
Sheep

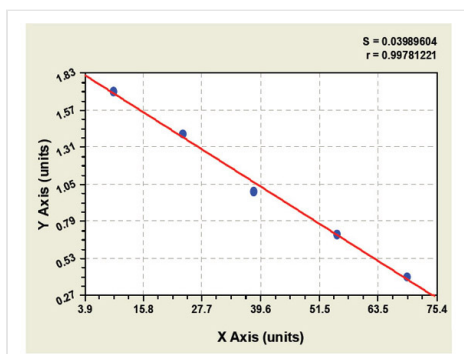
PRODUCT SYNONYMS

Apolipoprotein C4; Sheep Apolipoprotein C4 ELISA Kit; APOC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample C)

ADDITIONAL INFORMATION

Related Product Information for APOC4 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This APOC4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep APOC4. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY APOC4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-APOC4 antibody and an APOC4-HRP conjugate. The assay sample and buffer are incubated together with APOC4-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 APOC4 concentration since APOC4 from samples and APOC4-HRP conjugate compete for the anti-APOC4 antibody binding site. Since the number of sites is limited, as more sites are occupied by APOC4 from the sample, fewer sites are left to bind APOC4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The APOC4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for APOC4 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502161
NCBI GeneID	346
NCBI Accession #	NP_001637.1
NCBI GenBank Nucleotide #	NM_001646.2
Molecular Weight	14,553 Da
NCBI Official Full Name	apolipoprotein C-IV
NCBI Official Synonym Full Names	apolipoprotein C-IV
NCBI Official Symbol	APOC4
NCBI Official Synonym Symbols	APO-CIV; APOC-IV
NCBI Protein Information	apolipoprotein C-IV; apolipoprotein C4
UniProt Protein Name	Apolipoprotein C-IV
UniProt Gene Name	APOC4
UniProt Synonym Gene Names	Apo-CIV; ApoC-IV
UniProt Entry Name	APOC4_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.