

Sheep Conjugated linoleic acid ELISA Kit | CLA elisa kit

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CATALOG #
AAA97001

REACTIVITY
Sheep

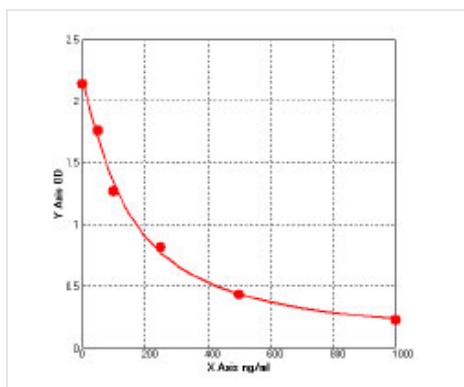
PRODUCT SYNONYMS

Conjugated linoleic acid; Sheep Conjugated linoleic acid ELISA Kit; CLA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of CLA. No significant cross-reactivity or interference between CLA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CLA and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLA elisa kit	Intended Uses: This CLA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CLA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CLA ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CLA antibody and an CLA-HRP conjugate. The assay sample and buffer are incubated together with CLA-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 CLA concentration since CLA from samples and CLA-HRP conjugate compete for the anti-CLA antibody binding site. Since the number of sites is limited, as more sites are occupied by CLA from the sample, fewer sites are left to bind CLA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLA concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	99866548
Molecular Weight	52,796 Da
NCBI Official Full Name	conjugated linoleic acid reductase
UniProt Protein Name	Conjugated linoleic acid reductase
UniProt Gene Name	cla-r
UniProt Entry Name	Q19KJ0_BUTFI

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/cla-sheep-elisa-kits/conjugated-linoleic-acid/97001>