

Bovine cholesterol ELISA Kit | CH elisa kit

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CATALOG #
AAA89342

REACTIVITY
Bovine

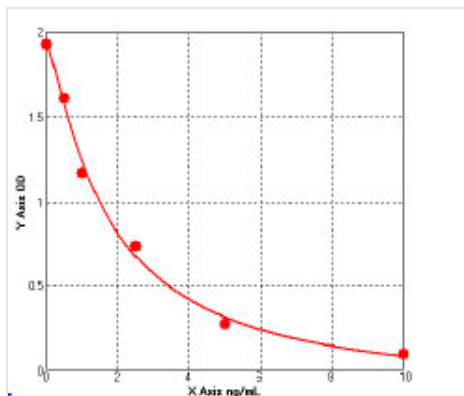
PRODUCT SYNONYMS

cholesterol; Bovine cholesterol ELISA Kit; CH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of cholesterol. No significant cross-reactivity or interference between cholesterol and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between cholesterol 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	0.1 mmol/L
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

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/ch-bovine-ovine-elisa-kits/cholesterol/89342>