

Canine Short-Chain Fatty Acids ELISA Kit

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CATALOG #
AAA247730

REACTIVITY
Canine

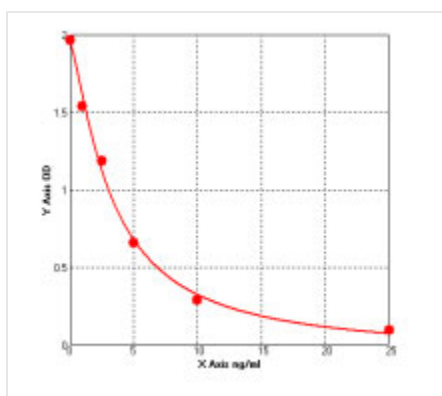
PRODUCT SYNONYMS

Short-Chain Fatty Acids; Canine Short-Chain Fatty Acids ELISA Kit; Short-Chain Fatty Acids elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of SCFA. No significant cross-reactivity or interference between SCFA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SCFA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Intra-Assay	CV<10%
Inter-Assay	CV<15%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Short-Chain Fatty Acids elisa kit	Principle of the Assay: SCFA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SCFA antibody and an SCFA-HRP conjugate. The assay sample and buffer are incubated together with SCFA-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 SCFA concentration since SCFA from samples and SCFA-HRP conjugate compete for the anti-SCFA antibody binding site. Since the number of sites is limited, as more sites are occupied by SCFA from the sample, fewer sites are left to bind SCFA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SCFA concentration in each sample is interpolated from this standard curve. Intended Uses: This SCFA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine SCFA. This ELISA kit for research use only, not for therapeutic or test applications!
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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/canine-elisa-kits/short-chain-fatty-acids/247730>