

Simian Carbohydrate Antigen 242 (CA242) ELISA Kit | CA242 elisa kit

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CATALOG # AAA150437	REACTIVITY Simian	APPLICATIONS ELISA
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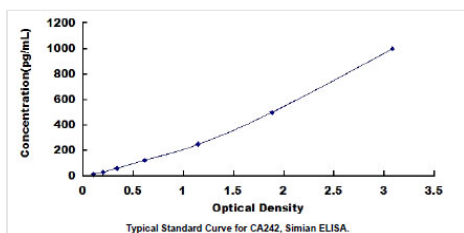
PRODUCT SYNONYMS

Carbohydrate Antigen 242 (CA242); Simian Carbohydrate Antigen 242 (CA242) ELISA Kit; Cancer Antigen 242; CA242 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Simian
Specificity	This assay has high sensitivity and excellent specificity for detection of CA242. No significant cross-reactivity or interference between CA242 and analogues was observed.
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates And Other Biological Fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	5.7pg/mL
Applicable Applications for CA242 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CA242 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CA242 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA242 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CA242 in simian serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CA242. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CA242. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CA242, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CA242 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CA242 elisa kit	Gastroenterology

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://www.aaabiotech.com/simian-elisa-kits/carbohydrate-antigen-242-ca242/150437>