

Rat Succinic Acid ELISA Kit | SA elisa kit

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CATALOG #
AAA247316

REACTIVITY
Rat

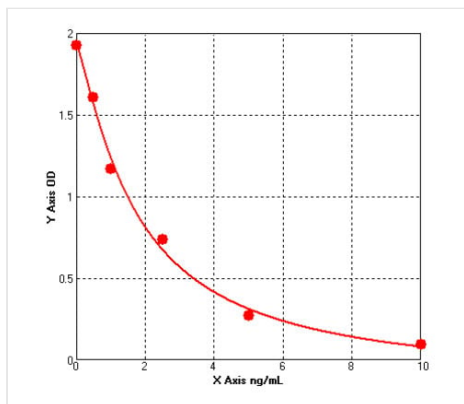
PRODUCT SYNONYMS

Succinic Acid; Rat Succinic Acid ELISA Kit; SA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Succinic Acid. No significant cross-reactivity or interference between Succinic Acid and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Succinic Acid 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
Sensitivity	0.1 umol/L
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SA elisa kit	Principle of the Assay: Succinic Acid ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Succinic Acid antibody and a Succinic Acid-HRP conjugate. The assay sample and buffer are incubated together with Succinic Acid-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 Succinic Acid concentration since Succinic Acid from samples and Succinic Acid-HRP conjugate compete for the anti-Succinic Acid antibody binding site. Since the number of sites is limited, as more sites are occupied by Succinic Acid from the sample, fewer sites are left to bind Succinic Acid-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Succinic Acid concentration in each sample is interpolated from this standard curve. Intended Uses: This Succinic Acid ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Succinic Acid. 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/sa-rat-elisa-kits/succinic-acid/247316>