

Human Staphylococcus Aureus Enterotoxin A ELISA Kit | SEA elisa kit

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CATALOG #
AAA247644

REACTIVITY
Human

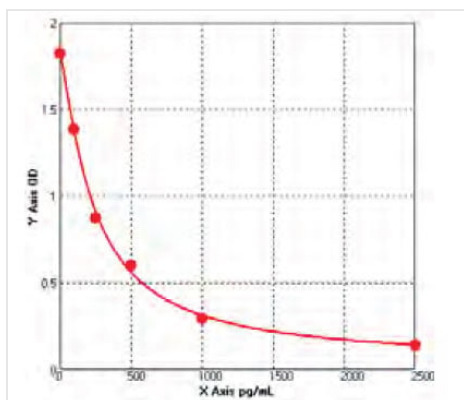
PRODUCT SYNONYMS

Staphylococcus Aureus Enterotoxin A; Human Staphylococcus Aureus Enterotoxin A ELISA Kit; SEA elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEA elisa kit	Intended Uses: This SEA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SEA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: SEA ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-SEA antibody and an SEA-HRP conjugate. The assay sample and buffer are incubated together with SEA-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 SEA concentration since SEA from samples and SEA-HRP conjugate compete for the anti-SEA antibody binding site. Since the number of sites is limited, as more sites are occupied by SEA from the sample, fewer sites are left to bind SEA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SEA concentration in each sample is interpolated from this standard curve.
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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/sea-human-elisa-kits/staphylococcus-aureus-enterotoxin-a/247644>