

Human Diphtheria antibody ELISA Kit | DA elisa kit

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CATALOG #
AAA84936

REACTIVITY
Human

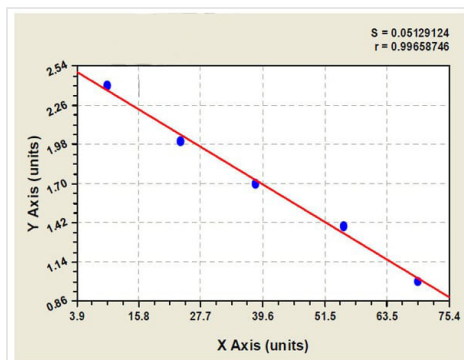
PRODUCT SYNONYMS

Diphtheria antibody; Human Diphtheria antibody ELISA Kit; Human Diphtheria antibody (DA) ELISA Kit; Diphtheria; Diphtheria antibody (Human); DA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Diphtheria-Ab. No significant cross-reactivity or interference between Diphtheria-Ab and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Diphtheria-Ab 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

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/da-human-elisa-kits/diphtheria-antibody/84936>