

Mouse anti-double stranded DNA, dsDNA IgG ELISA Kit

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CATALOG #
AAA245097

REACTIVITY
Mouse

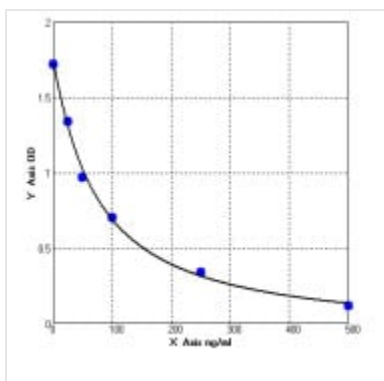
PRODUCT SYNONYMS

anti-double stranded DNA; dsDNA IgG; Mouse anti-double stranded DNA; dsDNA IgG ELISA Kit; dsDNA IgG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of dsDNA IgG. No significant cross-reactivity or interference between dsDNA IgG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between dsDNA IgG 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 anti-double stranded DNA, dsDNA IgG elisa kit	Principle of the Assay: dsDNA IgG ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-dsDNA IgG antibody and an dsDNA IgG-HRP conjugate. The assay sample and buffer are incubated together with dsDNA IgG-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 dsDNA IgG concentration since dsDNA IgG from samples and dsDNA IgG-HRP conjugate compete for the anti-dsDNA IgG antibody binding site. Since the number of sites is limited, as more sites are occupied by dsDNA IgG from the sample, fewer sites are left to bind dsDNA IgG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The dsDNA IgG concentration in each sample is interpolated from this standard curve. Intended Uses: This dsDNA IgG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse dsDNA IgG. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for anti-double stranded DNA, dsDNA IgG elisa kit	Epigenetics and Nuclear Signaling

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/mouse-elisa-kits/anti-double-stranded-dna-dsdna-igg/245097>