

Mouse anti-double stranded DNA, dsDNA IgM ELISA Kit

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CATALOG #
AAA27331

REACTIVITY
Mouse

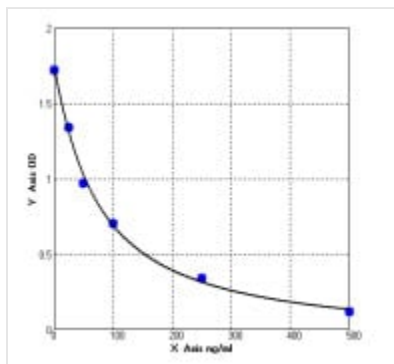
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of dsDNA IgM. No significant cross-reactivity or interference between dsDNA IgM and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between dsDNA IgM 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 IgM elisa kit	Principle of the Assay: dsDNA IgM ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-dsDNA IgM antibody and an dsDNA IgM-HRP conjugate. The assay sample and buffer are incubated together with dsDNA IgM-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 IgM concentration since dsDNA IgM from samples and dsDNA IgM-HRP conjugate compete for the anti-dsDNA IgM antibody binding site. Since the number of sites is limited, as more sites are occupied by dsDNA IgM from the sample, fewer sites are left to bind dsDNA IgM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The dsDNA IgM concentration in each sample is interpolated from this standard curve. Intended Uses: This dsDNA IgM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse dsDNA IgM. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for anti-double stranded DNA, dsDNA IgM 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-igm/27331>