

Mouse ANA (Anti-nuclear) ELISA Kit | ANA elisa kit

Mouse ANA (Anti-nuclear Antibody) ELISA Kit

CATALOG #
AAA27521

REACTIVITY
Mouse

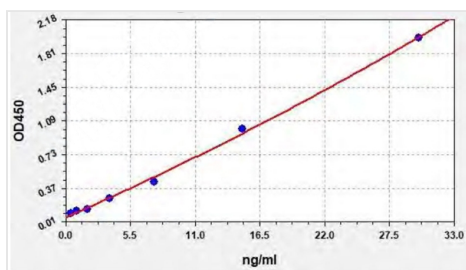
PRODUCT SYNONYMS

ANA (Anti-nuclear); Mouse ANA (Anti-nuclear Antibody) ELISA Kit; Anti-nuclear Antibody; ANA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize ANA, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.469-30ng/ml
Sensitivity	0.281ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANA elisa kit	Background: The antinuclear antibody (ANA) is a defining feature of autoimmune connective tissue disease. ANAs are a class of antibodies that bind to cellular components in the nucleus, including proteins, DNA, RNA, and nucleic acidprotein complexes. ANA identification has been the foundation of diagnosis for autoimmune connective tissue disease, including systemic lupus erythematosus (SLE), Sjogren's syndrome, and polymyositis/dermatomyositis. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Antigen was pre-coated onto the 96-well plate. The biotin conjugated antigen was used as the detection antigen. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antigen was added to bind with ANA conjugated on coated antigen. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding acidic stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of target antigen in the sample is positively correlated with OD450 and can be calculated by plotting the 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/mouse-elisa-kits/ana-anti-nuclear/27521>