

Datasheet for ABIN996874  
**dsDNA Ab ELISA Kit**



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1 Publication

## Overview

Quantity:	96 tests
Target:	dsDNA Ab
Reactivity:	Human
Method Type:	Competition ELISA
Application:	ELISA

## Product Details

Purpose:	dsDNA ELISA is intended for the detection of antibodies in human serum to dsDNA antigen and as an aid in diagnosis of Systemic lupus eruthematosus (SLE).
Sample Type:	Serum
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	97.9 %
Sensitivity:	100%
Components:	<ol style="list-style-type: none"><li>1. Microplate: wells coated with Purified dsDNA antigen</li><li>2. Serum Diluent Type II</li><li>3. Positive Control: Human serum or defibrinated plasma</li><li>4. Calibrator: Human serum or defibrinated plasma</li><li>5. Negative Control: Human serum or defibrinated plasma</li><li>6. HRP Conjugate: Goat anti-human IgG and IgM</li><li>7. Wash Buffer Type I 20X</li></ol>

## Product Details

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8. Chromogen/Substrate Solution Type I

9. Stop Solution: 1N H<sub>2</sub>SO<sub>4</sub> solution

Material not included:

1. Precision pipettes

2. Distilled or deionized water

3. EIA kit Microplate Washer

4. EIA kit Microplate Reader with a (single wavelength 450 nm or dual 600-650)

## Target Details

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Target: dsDNA Ab

Alternative Name: DsDNA Antibody ([dsDNA Ab Products](#))

Target Type: Antibody, Antibody

Background: Autoimmune diseases are categorized into two general groups: One group is characterized by the production of tissue-specific autoantibodies, the other by autoimmune reactivity with normal cell nuclear and/or cytoplasmic antigens with no tissue type specificity. The latter group includes diseases such as mixed connective tissue disease, scleroderma, rheumatoid arthritis, dermatomyositis, polymyositis, SLE and Sjogren syndrome.

## Application Details

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Application Notes: Notable features of Autoimmune Disease ELISA Kits:

- User-friendly directions and explanation of test procedures
- Simple and safe reagent preparation
- Clear instructions on specimen collection
- Comprehensive package of required materials
- Explicit quality control and storage guidelines
- Reliable and easy-to-read test results

Sample Volume: 10 µL

Assay Time: 1.5 h

Plate: Pre-coated

Protocol: dsDNA elisa test is an Enzyme-Linked Immunosorbent Assay to detect antibodies to dsDNA antigen. Purified dsDNA antigen is attached to the wells. When antigens bound to the solid phase are brought into contact with a patient serum, antigen specific antibody, if present, will bind to the antigen in the wells forming antigen-antibody complexes. Excess antibody is

## Application Details

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removed by washing and followed by the addition of goat anti-human IgG, M conjugated with horseradish peroxidase which then binds to the antibody-antigen complexes.

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Restrictions: For Research Use only

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## Handling

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Storage: 4 °C

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Expiry Date: 12-14 months

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## Publications

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Product cited in: Salazar, Copeland, Wood, Schmid, Luebke: "Evaluation of anti-nuclear antibodies and kidney pathology in Lewis rats following exposure to Libby amphibole asbestos." in: **Journal of immunotoxicology**, (2012) ([PubMed](#)).