



CD Creative Diagnostics®

Autoimmune Disease Antibody Detection

— ELISA Kits and Chip-based Detection

Introduction:

In the analysis of autoimmune diseases, early and accurate detection is crucial for effective treatment and management. Currently, there are various methods for detecting autoimmune diseases, which can be categorized into:

- Serological testing
- Cellular immunology testing
- Molecular biology testing
- Tissue pathology testing
- Specialized multi-omics testing

Among serological tests, the detection of autoantibodies plays an important role in monitoring autoimmune diseases.

✔ Highlight 1: ELISA Kits

With years of experience in developing and producing ELISA kits, and research in related fields, Creative Diagnostics provides you with comprehensive and highly specific autoantibody detection kits. Our ELISA kits are designed for the detection of specific autoimmune antibodies with high sensitivity and specificity.

**** Due to the large number of products, please refer to the product catalog. ELISA kits have been categorized by disease type.***

Autoimmune Disease Antibody Detection

✔ Highlight 2: Chip-based Detection Service

Our antigen chip leverages high-sensitivity antigen microarray technology to efficiently detect autoantibodies linked to numerous autoimmune diseases, including rheumatoid arthritis, muscular dystrophy, systemic lupus erythematosus, and type 1 diabetes. Here's what makes it exceptional:

- ✔ 120 antigens selected based on published research, ensuring relevance and reliability.
- ✔ Natural Antigen Conformation.
- ✔ Comprehensive Quality Control: Every array includes internal Ig and anti-Ig controls for normalization and quantification.
- ✔ Fluorescent Secondary Antibodies: For the detection of two antibody types (IgG, IgM, or IgA) on a single array.
- ✔ High Throughput: Each slide processes 16 samples simultaneously, with parallel operation capability for multiple slides.
- ✔ Low Sample Volume: Only 5 μ L of serum or other body fluids is needed.
- ✔ Cost-Effective: Priced at less than the cost of ELISA kits.
- ✔ High Sensitivity: Dynamic range of results from 1 to 65,000.
- ✔ Semi-quantitative: Relative quantification based on standard curves.

**** If you require assay services, please contact our staff to analyze and assess your samples. Specify your experimental objectives and sample conditions so we can confirm our ability to meet your needs and finalize the experimental plan.***