



Applied Immunology Research Outsourcing Services

Our applied immunology outsourcing services help you investigate immune mechanisms, evaluate immunotherapies, develop allergy panels, and validate biomarkers for translational and clinical immunology research.

Our Applied Immunology Research Capabilities

Our advanced immunology labs are equipped for cellular assays, cytokine profiling, serological testing, flow cytometry, and in vitro and ex vivo immune cell work, supporting end-to-end immunological studies.

Types of Applied Immunology Research We Handle

- Innate and Adaptive Immunity Studies
- Humoral Immune Response Analysis
- Cell-Mediated Immunity Assays
- Vaccine Efficacy and Safety Trials
- Allergy Testing and IgE Quantification
- Hypersensitivity Reaction Studies
- Autoimmunity Marker Analysis
- Immunotherapy Response Monitoring
- Tumor Immunology Research
- Immunopathology of Infectious Diseases
- Cytokine and Chemokine Profiling
- Complement System Activation Studies
- Antibody Titer Measurement
- Cellular Cytotoxicity Assays
- Neutralizing Antibody Testing
- Monoclonal and Polyclonal Antibody Validation
- Flow Cytometry Immune Cell Subset Analysis
- Immunohistochemistry for Tissue Analysis
- ELISPOT and ELISA Development
- Multiplex Immunoassay Panels
- In Vitro Immune Cell Activation
- Pathogen-Specific Immunity Studies
- Viral and Bacterial Vaccine Research

- Immunogenicity Testing for Biologics
- Drug Hypersensitivity Evaluation
- Allergen-Specific Immunotherapy Trials
- Regulatory Immune Safety Assessment
- Immunoinformatics for Epitope Prediction
- Clinical Immunology Data Analysis
- Translational Immunology Research

Key Research Outsourcing Services Offered

- PBMC Isolation and Culture
- Serum and Plasma Immunoglobulin Analysis
- Cytokine Quantification by ELISA
- Flow Cytometry Assay Design and Execution
- Cell Proliferation and Viability Assays
- Neutralization and Inhibition Tests
- ELISPOT Assay Development
- Immunophenotyping Panels
- Hypersensitivity Skin Prick Tests
- Allergen Extract Preparation and Testing
- Autoantibody Screening and Profiling
- Immunohistochemistry Staining and Imaging
- Pathogen-Specific Antibody Detection
- In Vivo Immunogenicity Studies (Partnered Labs)
- Immune Biomarker Discovery
- Vaccine Potency and Immunity Monitoring
- Immune Cell Activation and Functional Assays
- Immunotoxicity Risk Assessment
- Data Analysis and Bioinformatics Interpretation
- Custom Immunology Assay Development
- Regulatory Documentation Support
- Batch-to-Batch Consistency Testing
- Clinical Data Integration and QC
- Detailed Project Reports and Protocols
- Confidential Data Storage and Encryption
- Progress Updates and Milestone Reports
- Publication-Ready Data Packages
- Post-Project Technical Support
- Secure Archival and Data Transfer
- NDA and IP Rights Assurance

Why Choose Us for Applied Immunology Research

Outsourcing?

We deliver accurate, reproducible immune profiling and therapeutic validation using gold-standard assays, experienced immunologists, and strict QA/QC protocols for reliable results.

Industries & Sectors We Serve

- Pharma and Biologics Developers
- Vaccine Manufacturers
- Immunotherapy Startups
- Clinical Research Organizations (CROs)
- Academic Immunology Departments
- Diagnostic Kit and Assay Producers

Customized Applied Immunology Solutions

We tailor our immunology research pipelines to your target disease, therapy, or biomarker goals, ensuring complete data security and adherence to global regulatory standards.

Quality Assurance & Regulatory Compliance

All work is performed under ISO and GLP frameworks with full traceability, validated SOPs, and documentation suitable for regulatory filings or peer-reviewed publications.

Case Studies & Client Success Stories

Explore how our immunology outsourcing has supported new vaccine candidates, immunotherapy trials, and allergy diagnostics worldwide. Contact us for case references.

How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Define study design and desired endpoints.
2. **Proposal & Quotation:** Share a detailed plan, timeline, and cost breakdown.
3. **Lab Execution:** Perform sample processing, assays, and data recording.
4. **Data Analysis & Reporting:** Deliver validated results with expert interpretation.
5. **Post-Project Support:** Provide follow-up analysis, compliance help, and publications.

Frequently Asked Questions (FAQs)

Q: Can you handle patient samples?

A: Yes, we follow ethical guidelines and patient consent compliance for clinical samples.

Q: Do you perform animal immunology studies?

A: For in vivo models, we work with partnered ethical labs; all ex vivo/in vitro assays are done

in-house.

Q: How secure is my project data?

A: All data is stored in encrypted servers with restricted access; NDAs are standard practice.

Get Started / Request a Quote

Contact us today to discuss your applied immunology research needs and receive a customized project plan and budget estimate.

Contact Us

Email: research-outsourcing@nthrys.com

Phone: +91-8977624748