

# CELL BASED ASSAYS

Developers of vaccines, gene and cell therapies, monoclonal antibodies or other types of biologics need to accurately measure and predict the immunological responses mediated by, or developed against, their drug candidates. Immune cells are at the heart of these complex biological mechanisms and their functions and characteristics require highly specialized skills and technologies to be fully deciphered. Well-designed cellular assays represent the key to any successful preclinical or clinical program and can make the difference between a cost efficient, direct path to IND and a convoluted, expensive development path wrought by ill-informed decisions, repeats and setbacks. High quality cellular data are key to identifying, screening and validating candidates through all stages of development from discovery to safety, immunogenicity and efficacy studies.



**As a leading CRO in cell based assays, ABL offers:**

- Sample testing in support of both preclinical and clinical programs
- Expert advice on the most relevant and applicable cellular methods
- Custom assay development, method transfer and fit-for-purpose method validation
- State-of-the-art instrumentation to accommodate the latest techniques

**ABL's expertise in cellular assessments includes:**

- T and B cell ELISpot
- FluoroSpot
- Immunophenotyping
- T/B/NK Cell Enumeration
- Intracellular Cytokine Staining (ICS)

- Tetramer and Multimer Staining
- Lymphoproliferation
- Neutralizing Antibody (NAb) assays
- Antibody Dependent Cell-mediated Cytotoxicity (ADCC)
- Complement Dependent Cell Cytotoxicity (CDC)
- Antibody-mediated Opsonization / phagocytosis
- Other needs? Inquire [here](#)



## **ABL scientists support and strengthen our clients' programs such as:**

- Target selection
- Lead optimization
- Preclinical development
- Proof of Concept
- Dose determination
- Mechanism of action
- Combination therapies
- Immunogenicity
- Efficacy

**ABL's wide assortment of platform instrumentation empowers our experts to create and execute comprehensive solutions that meet your grandest cellular goals.**

### **Cellular Technology Suite:**



ForteBio Octet RED96



BD LSRFortessa – 14 colors



BD LSR II – 12 colors



BD FACSCanto – 8 colors



Millipore Guava easyCyte – 6 colors



CTL ELISpot fluorescent & white light readers



Multi-mode Tecan & BioTek Plate Readers

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**Interested in knowing more about cell-based assays?**

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