

Novel Services Released at Creative Biolabs Streamline Research on Cell and Gene Therapy

Understanding unique demands of cell and gene therapy research calls for a uniquely prepared development partner, Creative Biolabs has updated the service package with brand new HLA typing services for cell therapy and ASO services for gene therapy.

New York City, New York Nov 30, 2022 ([Issuewire.com](https://www.issuewire.com)) - Cell and gene therapies, as highly promising treatment modalities, have already shown phenomenal potential in reversing previously incurable and torturous diseases. With a bright future ahead, however, they present newness that adds a great deal of complexity to the development and manufacturing process. With a unique perspective across the landscape of cell and gene therapy, Creative Biolabs draws upon broad experiences to craft tailored solutions and help clients optimize and accelerate novel therapy development.

Now, the team has updated the service package with brand new human leukocyte antigen (HLA) typing services for cell therapy and antisense oligonucleotide (ASO) services for gene therapy.

• HLA Typing Services

Powered by accumulated HLA expertise as well as several high-resolution sequencing platforms, Creative Biolabs has developed a dedicated NGS-based [HLA typing](#) service.

The standard workflow includes sample preparation, HLA PCR, library construction, NGS Seq, raw data, bioinformatics analysis, and high-resolution HLA results, which are just for reference and will be adjusted according to the specific requirements of clients. Creative Biolabs offers the most researched HLA types covering HLA-A, B, C, G, DRB1, DRB3, DRB4, DRB5, DQA1, DQB1, DPA1, and DPB1. Other types are also available and detailed information can be further discussed with the scientific team.

In addition to HLA typing service, Creative Biolabs also extends its expertise to a full spectrum of high-resolution killer-cell immunoglobulin-like receptor (KIR) typing services, including [KIR typing](#) at the DNA and mRNA level, as well as KIR phenotyping by FACS.

• Antisense Oligonucleotide Services

An extensive portfolio of ASO services is also updated recently based on innovative technology platforms and years of experience in gene therapy development. The scientist team offers reliable custom [antisense oligonucleotide synthesis](#) in ready-to-use duplex multi-scale quantities, and the ASO produced can be used as structural and mechanistic probes in diverse areas of diagnostic and therapeutic applications.

In addition to customer services, Creative Biolabs also offers a series of ready-to-use ASO products for various disease research, covering cancer, cytomegalovirus retinitis, viral hemorrhagic fever, and HIV/AIDS.

With no standard on study design, study conduct, or regulatory process in this specialized area, Creative Biolabs understands the high stakes for clients' advanced cell or gene therapy programs and prides itself on flexibility and customization. It's easy for clients to adapt custom solutions to their specific projects and a sophisticated manager will lead and de-risk the workflow to make informed decisions and set the right groundwork to succeed.

About Creative Biolabs

Leveraging decades of experience and self-established platforms, Creative Biolabs has developed extensive breadth and depth of therapeutic expertise to assist a diverse range of cell and gene therapy research through the development pipeline. The comprehensive, end-to-end cell and gene therapy CRO solutions cover CAR-T cell therapy, TCR-T cell therapy, and CAR-MA therapy, as well as gene editing, RNAi development, and delivery vehicle development for gene therapy.

Media Contact

Creative Biolabs

marketing@creative-biolabs.com

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