



MiNK's iNKT Cell Therapy Shows Potential for Optimal Multi-Combination for Resistant Solid Cancers at SITC 2024

November 7, 2024

AgentT-797 Combination with Checkpoint Inhibitors and Bispecific Engagers Expands Anti-Cancer Benefit

PRAME-TCR iNKT Overcomes Challenges from Conventional TCR-T Cells in Solid Cancers

NEW YORK, Nov. 07, 2024 (GLOBE NEWSWIRE) -- MiNK Therapeutics, Inc. (NASDAQ: INKT), a clinical-stage biopharmaceutical company pioneering the discovery, development, and commercialization of allogeneic, off-the-shelf, invariant natural killer T (iNKT) cell therapies to treat cancer and other immune-mediated diseases, today announced data from two poster presentations at the Society for Immunotherapy of Cancer's (SITC) 39th Annual Meeting in Houston, Texas. The presentations showcased new data from MiNK's iNKT cell therapy programs, agentT-797 and PRAME-TCR.

"The data we presented at SITC reflect the potential of iNKT cell therapies to offer meaningful advancements in cancer treatment. AgentT-797 shows important immune modulating effects, enhancing the activity of immune checkpoint inhibitors and bispecific engagers," said Dr. Marc Van Dijk, CSO at MiNK. "Additionally, our PRAME-TCR iNKT represents a novel and differentiated approach to treat PRAME positive solid tumors. By leveraging iNKT cells' ability to target the tumor microenvironment without lymphodepletion or HLA-matching, we aim to provide durable, scalable, and accessible solutions for patients with limited treatment options."

AgentT-797 Combination Boosts Activity of Checkpoint Inhibitors and Bispecific Engagers in Challenging Solid Tumors

- **AgentT-797 alone or in combination with anti-PD-1** (nivo or pembro) shows durable disease control in majority of heavily pretreated patients.
- **AgentT-797 combined with bispecific engagers** targeting antigens such as MUC16, HER2, Claudin 18.2, and DLL3, promote increased T-cell activation, efficient tumor cell killing, and reduced exhaustion and myeloid cell activity.
- **Ongoing Clinical Studies:** AgentT-797 is advancing in an enrolling Phase 2 trial with an innovative five-treatment combination regimen that includes botensilimab, balstilimab, and standard-of-care chemotherapy. This trial targets 2L+ advanced gastroesophageal cancer patients and is being conducted at Memorial Sloan-Kettering Cancer Center, with results expected in 2025.

PRAME-TCR iNKT Represents a Promising Targeted Therapy for Refractory Solid Tumors

- **iNKT cells present an ideal platform for tumor-targeting T cell receptor (TCR)** expression due to the absence of conventional $\alpha\beta$ TCRs and endogenous class I MHC molecules.
- **MiNK's allogeneic PRAME-targeted TCR addresses the limitations of traditional T cell therapies.** As an allogeneic, gene-editing-free solution, it expresses an engineered $\alpha\beta$ PRAME-TCR with no risk of heterodimerization, offering a potentially safer and more precise approach.
- In preclinical studies, **PRAME-TCR-iNKTs direct tumor cell killing with high specificity**, which highlights the versatility of iNKT cells and their potential of to treat solid tumors such as NSCLC, ovarian, melanoma and sarcoma.

Presentation Details

Title: AgentT-797 iNKT cell therapy can be combined with next-generation immune checkpoint inhibitors (ICI) and bi-specific engagers to improve the anti-tumor response

Abstract Number: 753

Date: Friday, November 8th

Title: PRAME-TCR iNKT cell therapy: Opportunity for best-in-class off-the-shelf solid tumor therapy targeting PRAME

Abstract Number: 374

Session Date: Saturday, November 9th

About MiNK Therapeutics

MiNK Therapeutics is a clinical-stage biopharmaceutical company pioneering the discovery, development, and commercialization of allogeneic invariant natural killer T (iNKT) cell therapies to treat cancer and other immune-mediated diseases. MiNK is advancing a pipeline of both native and next generation engineered iNKT programs, with a platform designed to facilitate scalable and reproducible manufacturing for off-the-shelf delivery.

The company is headquartered in New York, NY. For more information, visit <https://minktherapeutics.com/> or @MiNK_iNKT. Information that may be important to investors will be routinely posted on our website and social media channels.

Forward Looking Statements

This press release contains forward-looking statements that are made pursuant to the safe harbor provisions of the federal securities laws, including statements regarding the therapeutic and curative potential of agenT-797 and iNKT cells the mechanism of action, potency and safety, interim or top-line data, including statements regarding clinical data of agenT-797, the anticipated benefits of agenT-797 and clinical development plans and timelines. These forward-looking statements are subject to risks and uncertainties that could cause actual results to differ materially. These forward-looking statements are subject to risks and uncertainties, including the factors described under the Risk Factors section of the most recent Form 10-K filed with the SEC. MiNK cautions investors not to place considerable reliance on the forward-looking statements contained in this release. These statements speak only as of the date of this press release, and MiNK undertakes no obligation to update or revise the statements, other than to the extent required by law. All forward-looking statements are expressly qualified in their entirety by this cautionary statement.

Investor Contact

917-362-1370

investor@minktherapeutics.com

Media Contact

781-674-4428

communications@minktherapeutics.com



Source: MiNK Therapeutics