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Brenus



#1132 STIMULATED TUMOR CELLS (STC) VACCINE INDUCE RESPONSE IN COLORECTAL CANCER

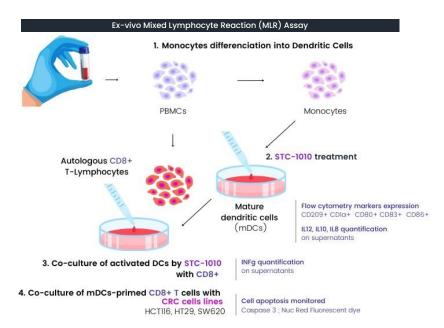
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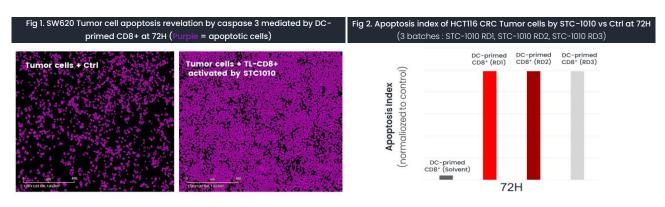
During the <u>SITC 38th Annual Meeting</u>: San Diego, (USA) 1-5 Nov 23, Brenus published additional transcriptomic (RNA seq) and proteomic (LC/MS-MS¹) data from different STC-1010 batches to complete vaccine characterization and confirm a robust **coverage of "difficult-to-treat" colorectal clinical mutations and phenotypes**.

Previously, bearing-CRC tumor mice were treated with a murine surrogate of STC-1010 and results showed an **Increased Median Overall Survival (mOS):** +40% in CRC CT26 Model.

STC-1010 response is evaluated via specific cytokine expression reflecting **pro-inflammatory** and **cytotoxic immune response** against CRC HT29 tumor in the in-Ovo CAM model²; also confirmed by histological H&E staining and a reduction of metastasis.

Further, the Mixed-Lymphocytes-Assay (see below) reflects specific priming and activation of immune cells, with a **remarkable tumor killing by apoptosis of human colorectal cancer cell lines**; with a perfect reproducibility between different STC-1010 lots:





¹ Liquide Chromatography coupled to tandem Mass Spectrometry

² <u>Chorio-Allantoïc membrane (CAM) Model:</u> a. Upper Eggshell opening **b.** Treatment with STC-1010 at D2; D4. **c.** Peripheral blood mononuclear cell (PBMCs) where isolated. **d.** Different eggs bearing HT29-tumor cells were treated with collected *STC-1010-activated PMBCs* at D2, D4 and D7. **e.** Egg samples were collected (blood and tumor) to performed analysis (*INFg*; *IL-12*; *IL2* expression; quantity of metastatic invasion and histological necrosis score were reported)

	AUTHORS	RESULTS
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ABOUT BRENUS

Brenus Pharma is a pioneering biotech startup reshaping the landscape of oncology with our innovative platform, generating cutting-edge cancer vaccines. Our STC Platform: "Stimulated-Tumor-Cells" is the first discovery platform that generates cancer vaccines, based on cells that are stimulated to reproduce antigenic relapsing-tumor signatures; and haptenized to educate the immune system against resistant tumors and prevent cancer recurrence.

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