Transcriptional Modulations of Tumor Microenvironment by BH3120, a PD-L1x4-1BB Bispecific Antibody, in Patient-derived Organotypic Tumor Spheroids (PDOTS) Model



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upregulated in responders, indicating CD3 signal transduction. B. 4-1BB activation signals including TRAF and NFkB were upregulated in responders representing relevant co-stimulatory signals.

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of cytotoxic granules, Granzyme B and M, was observed indicating potential effector function of NK cells and CTLs.

- BH3120 and the combination.

Reference: 1. Cancer Discov. 2018 Feb;8(2):196-215. 4. Cancer Res (2024) 84 (6_Supplement): 5300. The schematic diagrams were 2. Cancer Res (2022) 82 (12_Supplement): 5605. 5. Pharmacol Ther. 2005 Dec;108(3):308-19. drawn by FigDraw 3. Cancer Res (2023) 83 (7 Supplement): 1799. 6. Oncotarget. 2016 Apr 26;7(17):23106-27



Fold change relative to Isotype	Day 3		Day 7	
	Combination	Combination + FTY720	Combination	Combination + FTY720
FN-γ / TNF-α	3 / 2.2	1.9 / 1.8	2.2 / 2.2	0.8 / 1.7
CL3 / CCL4	3.4 / 5.1	4.9 / 7.1	4.7 / 8.9	3.3 / 6.5
CD8⁺ T cells	4.0	1.3	8.8	9.2
15E+CD8+T cells	3.1	1.3	11.8	11.8
NK cells	3.4	2.4	4.2	4.9

