

Supplementary Materials:**Supplementary figure legends**

Supplemental Figure S1. Representative axial images from on-board cone beam CT (CBCT), which was used for image guidance. Fiducials contoured in blue. Isocenter marked in green and 10 mm x 10 mm field size delineated in red with isocenter placed in the middle of fiducials. 8 Gy x 3 fractions delivered daily with an AP-PA field design, at a dose rate of 3 Gy/minute using the Small Animal Radiation Research Platform (SARRP; Xstrahl).

Supplemental Figure S2. Growth curves of tumors evaluated by ultrasound imaging. Shown are the control, α PD-1 alone, RT alone, RT/ α PD-1, RT/IDO1i, and RT/ α PD-1/IDO1i groups.

Supplemental Figure S3. The time depending curves of tumor sizes evaluated by ultrasound imaging. Data represent results obtained from experiments with 5 mice per group. The error bars represent mean with standard deviation. * $P < 0.05$, *** $P < 0.001$; NS, not significant, by unpaired t-test.

Supplemental Figure S4. RNA profiling data. The RNA derived from the tissues of KPC

orthotopic implantation model treated with combinational therapy was analyzed by NanoString Analysis. The data showed the comparison of (A) *Pdcd1*, *Icos*, *Tigit*, (B) *Tlr7*, *Tlr9*, *Nlrp3*, *Ccr3*, *Ccr7*, *Tnfrsf4*, *Tnfrsf18*, *Tgf-b1*, *Pdcd1lg2*, *Ctla4*, *Havcr2*, *Irak3*, *Sting*, *Tlr3*, and (C) *Ido1* expression in the five treatment groups compared to the control group. N = 4 for each treatment group.

Supplemental Table S1. : Luminex Mouse Reagent Analyte List

MCYTMAG-70K-PX32	MHSTCMAG-70K	MTH17MAG-47K
Eotaxin/CCL11	GRO alpha/KC/CINC-1/CXCL1	IL-17E/IL-25
G-CSF	IFN gamma	IL-17F
GM-CSF	IL-1 alpha	IL-21
GRO beta/CXCL2/MIP-2 alpha	IL-1 beta	IL-22
IL-12 (p40)	IL-10	IL-23
IL-15	IL-12 (p70)	IL-27
IL-3	IL-17A/CTLA8	IL-28B/IFN lambda 3
IL-9	IL-2	IL-31
IP-10/CXCL10/CRG-2	IL-4	IL-33/NF-HEV (mature)
LIF	IL-5	MIP-3 alpha/CCL20
M-CSF	IL-6	TNF-beta/LTA
MIG/CXCL9	IL-7	sCD40L
MIP-1 alpha/CCL3	LIX/CXCL6/GCP-2	
MIP-1 beta/CCL4	MCP-1/JE/CCL2	
RANTES/CCL5	TNF-alpha	
VEGF-A		
IL-13		