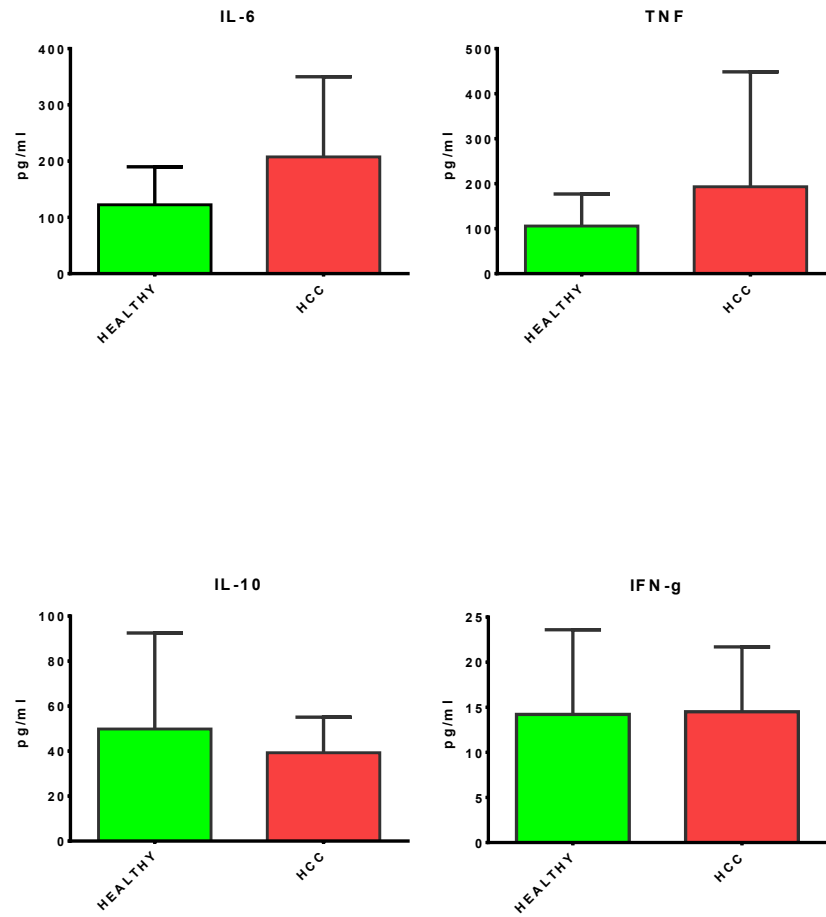


Suppl Fig.1 Baseline expression of the APC markers. Evaluation on PBMCs from HCC and healthy subjects after 24 h treatment with RNAdjuvant by flow cytometry.



Suppl Fig.2 Baseline production of all four cytokines. Evaluation on PBMCs from healthy subjects and HCC patients by ELISA.

Suppl. Table 1 List of differentially expressed genes and their related-pathway in healthy and HCC individuals.

PATHWAY	GENE	HEALTHY	HCC	SHARED
Th1 pathway	CXCL10	UP	UP	Y
	IFNG	UP	UP	Y
	JAK2	UP	UP	Y
	STAT1	UP	-	N
	STAT3	UP	UP	Y
	IFNGR1	DOWN	DOWN	Y
	TYK2	-	DOWN	N
	TBX21	-	UP	N
Th2 pathway	IL10	UP	UP	Y
	IL13	-	UP	N
TLR 3,8 signaling	IFNB1	UP	UP	Y
	IFNA1	UP	UP	Y
	MX1	UP	UP	Y
	TICAM1	UP	UP	Y
	MYD88	UP	UP	Y
	TLR3	-	UP	N
	TLR8	-	UP	N
	NFKB1	-	UP	N
	NFKB1A	UP	UP	Y
Pro-inflammatory cytokine	IL-6	UP	UP	Y
	TNF	UP	UP	Y
NOD1 signaling	NOD1	UP	UP	Y
RIG-I signaling	IRF7	UP	UP	Y
	DDX58	UP	UP	Y
TLR 4,5,6 signaling	TLR4	DOWN	-	N
	TLR5	-	DOWN	N
	TLR6	-	DOWN	N
	MAPK1	DOWN	DOWN	Y
	LY96	DOWN	DOWN	Y
	CD14	DOWN	DOWN	Y
	IRAK1	-	DOWN	N
Antigen presentation pathway	CD40	UP	UP	Y
	CD80	UP	UP	Y
	CD86	-	DOWN	N
	HLA-A	UP	UP	Y
	HLA-A	UP	UP	Y
Apoptosis	FASLG	UP	UP	Y
Inflammasome signaling	CASP1	UP	UP	Y
	IL1B	UP	UP	Y

UP= up-regulation; DOWN= down-regulation; Y= yes; N=no