Figure



Figure 1

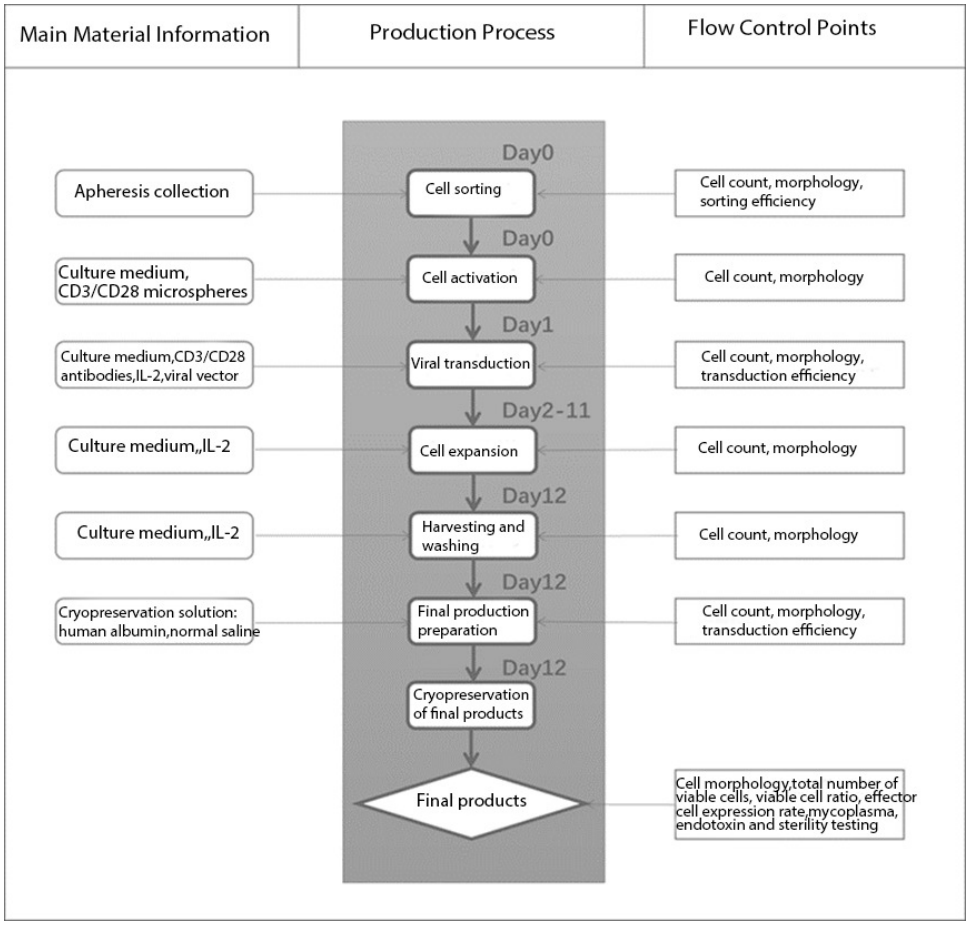


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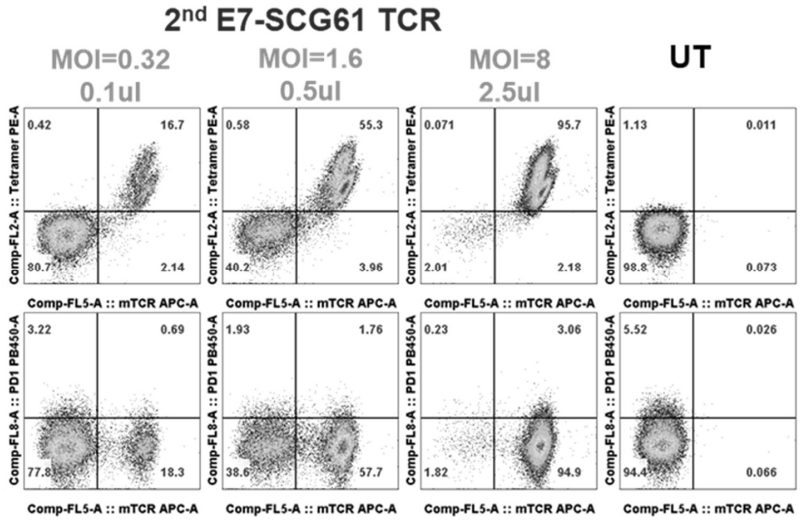


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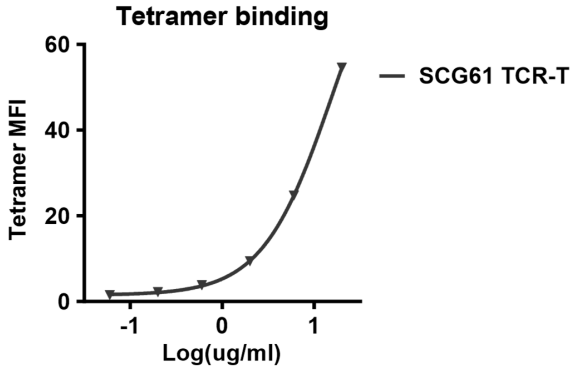


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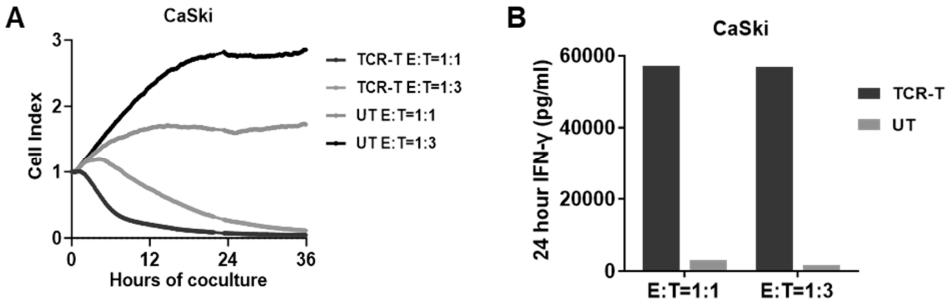


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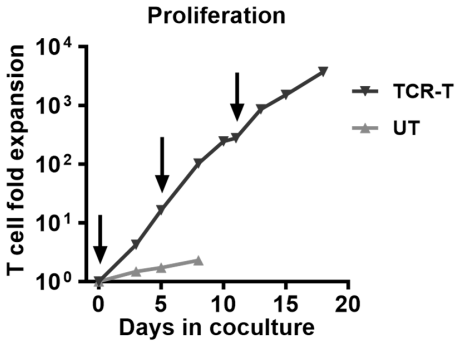


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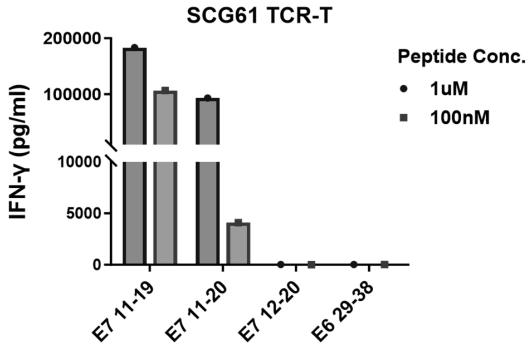
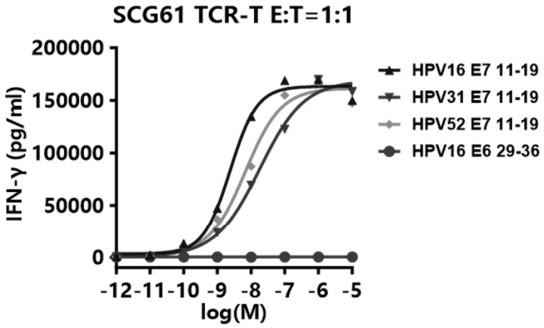


Figure 7



Peptide	HPV16 E7	HPV31 E7	HPV52 E7
TCR-T EC50 (M)	2.4 X 10^-9	1.8 X 10^-8	6.8 X 10^-9

Figure 8

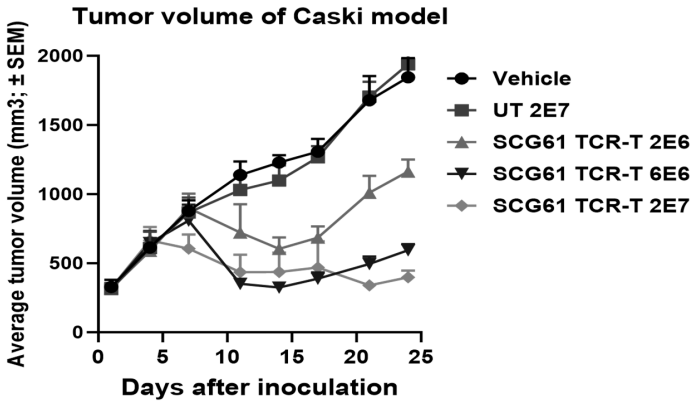


Figure 9



Figure 10

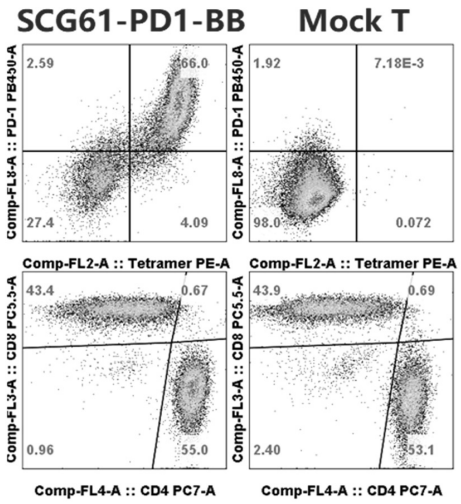


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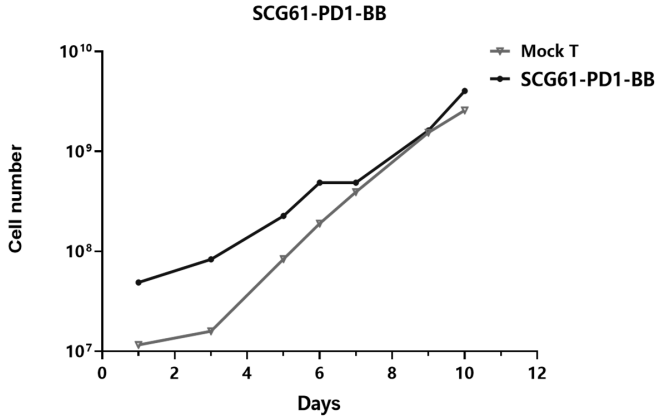


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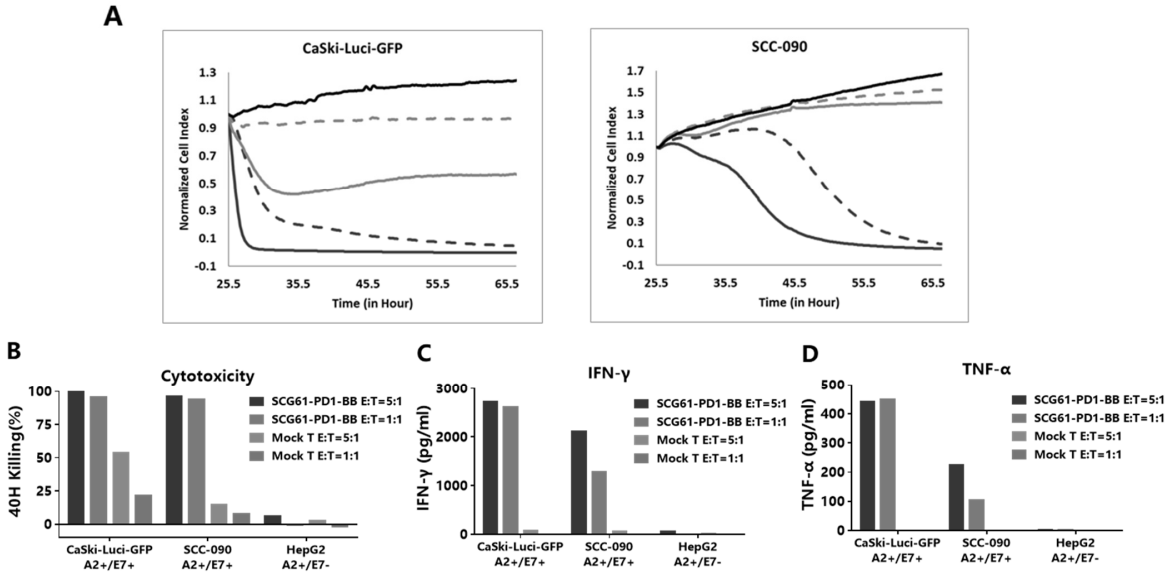


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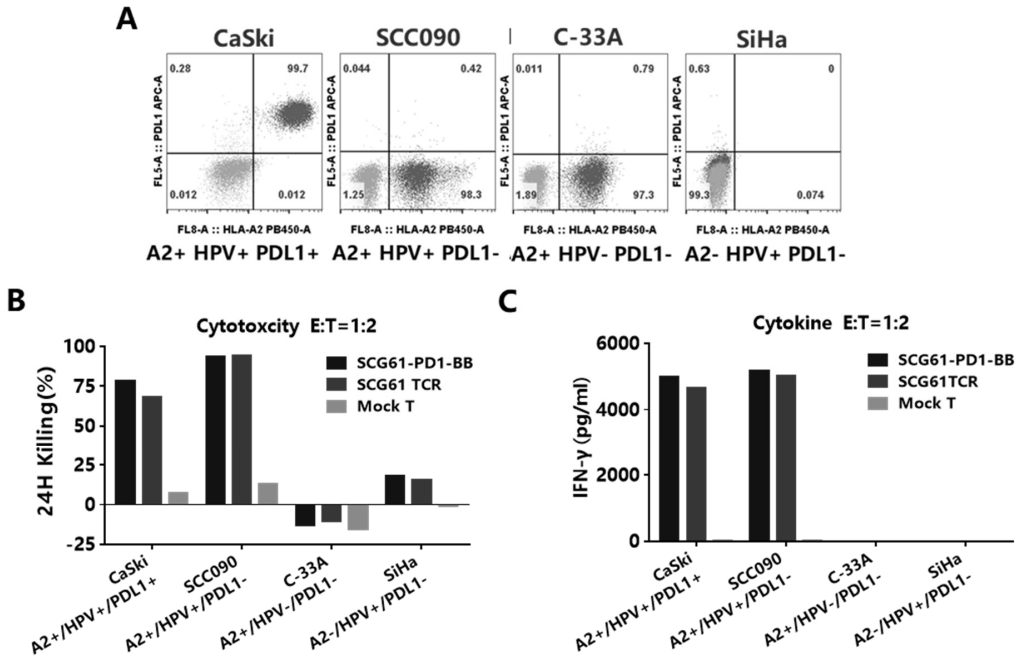


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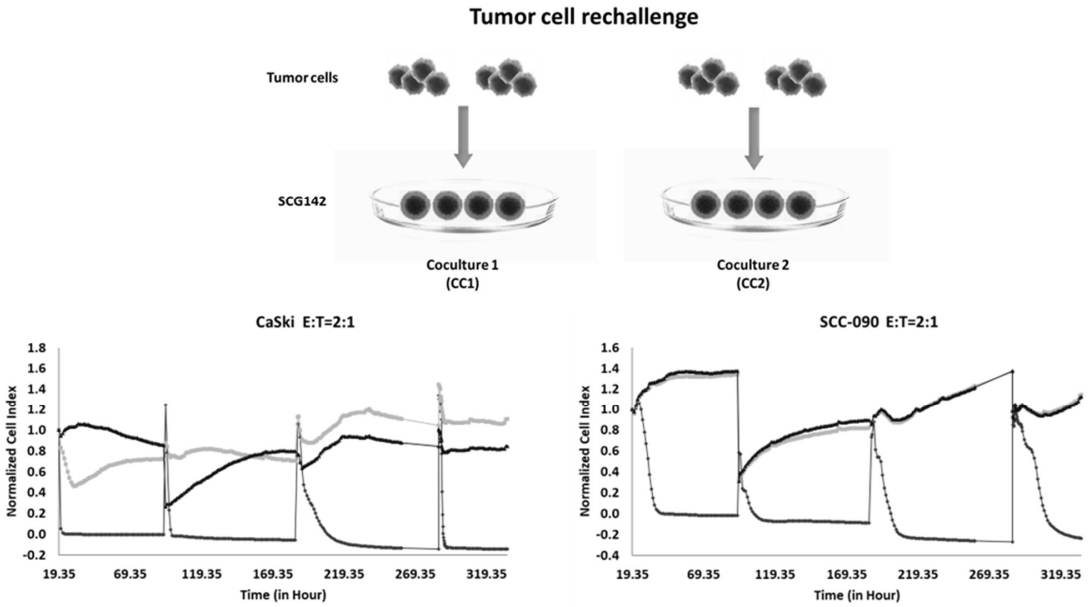


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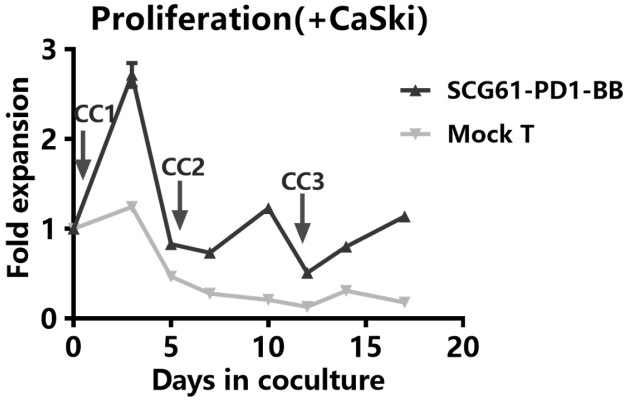
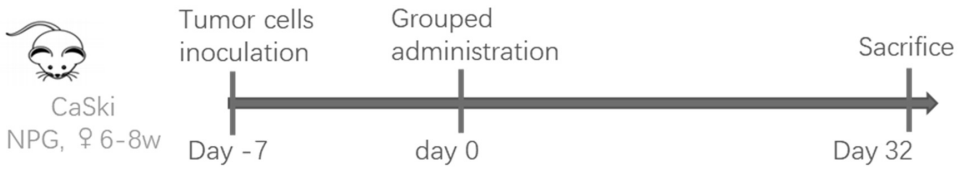


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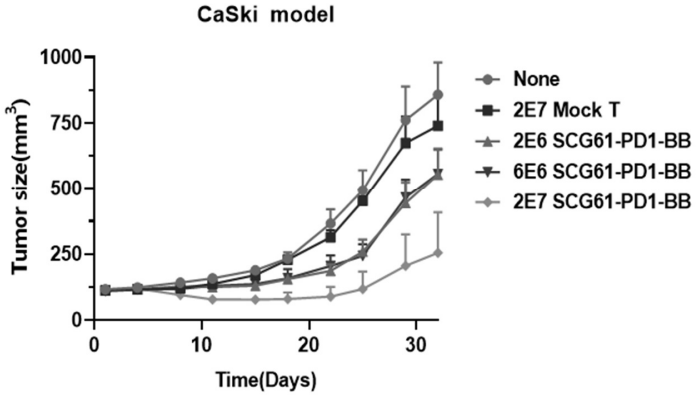
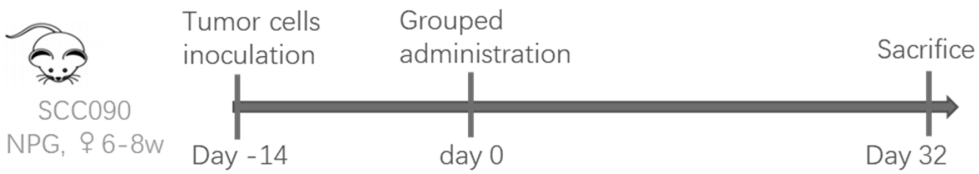


Figure 17



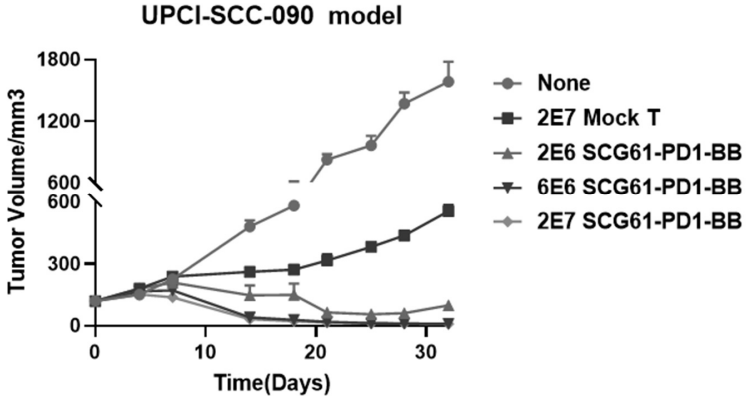


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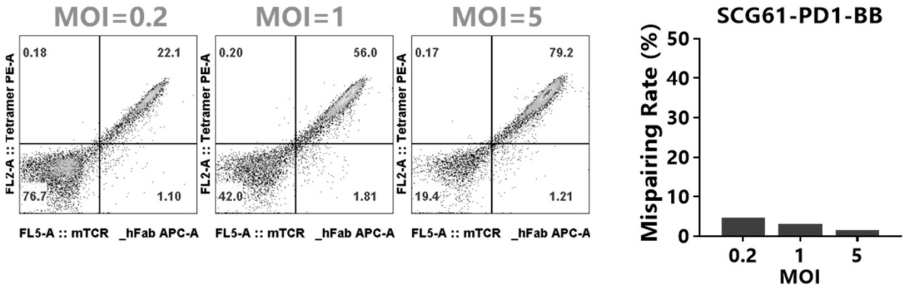


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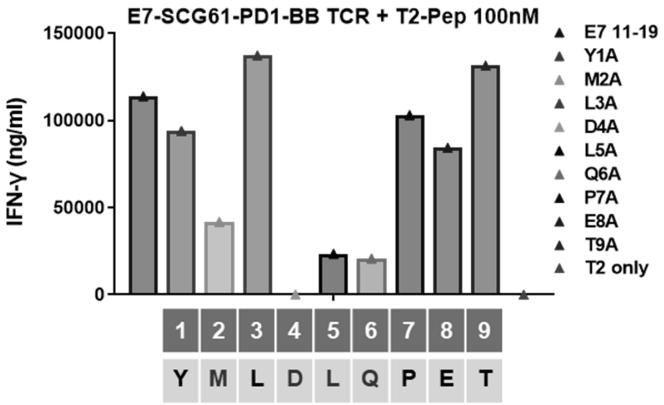
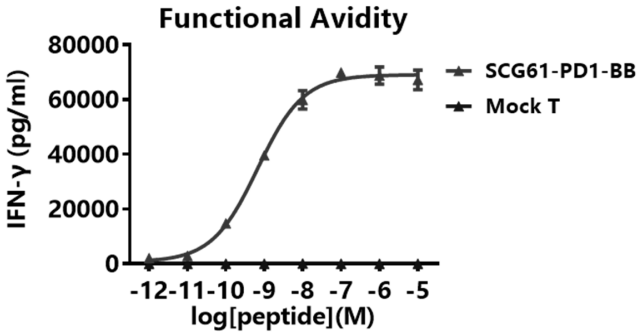


Figure 20



SCG61-PD1-BB IFN-γ EC50=6.76 X 10^{-10} M

Figure 21

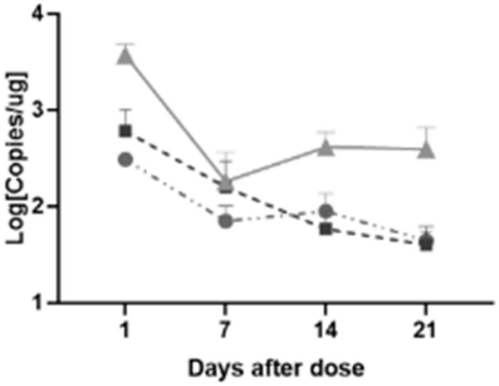


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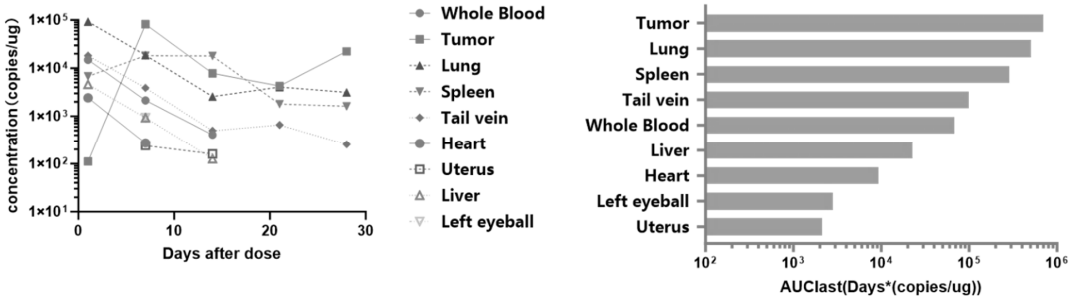


Figure 23

SCG61-TGF-BB	E7 TCR Vβ	mTCR Cβ	2A	E7 TCR Vα	mTCR Cα	2A	TGFBRII	41BB

Figure 24

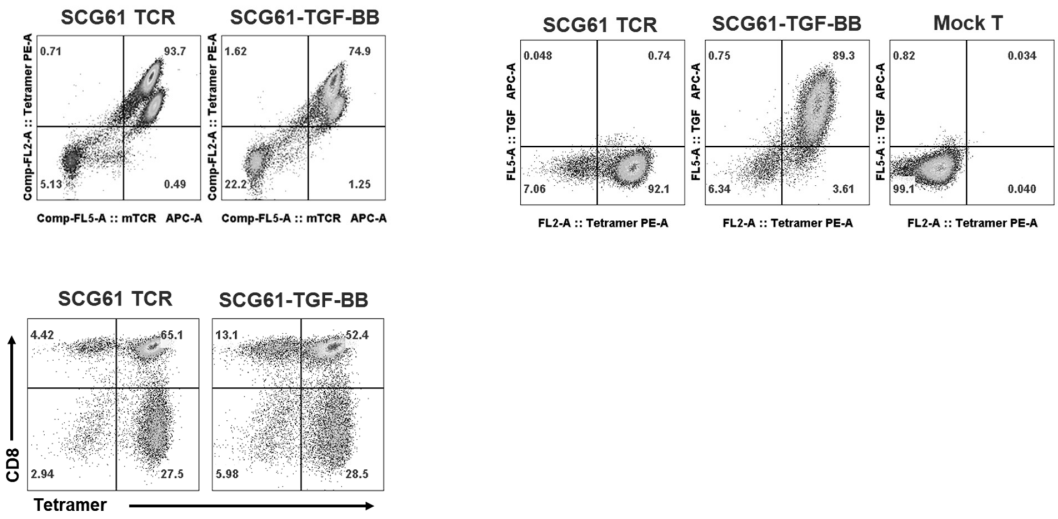


Figure 25

Detection	Marker / Target
Expression	E7 tetramer
Mismatch	E7 tetramer + Anti-mTCRβ
SCG61-TGF-BB identity	Anti-TGFBRII
Memory	CD45RA+CCR7+
Exhaustion	PD1+LAG3+TIM3+
Treg	CD4+CD25+CD127-
Functionality	CaSki-LG Killing / cytokine

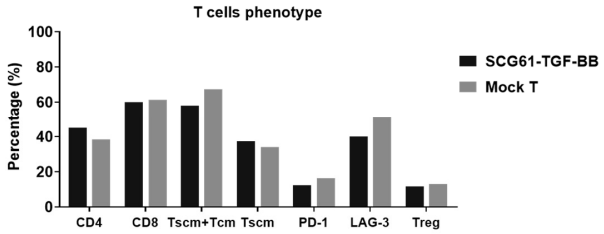
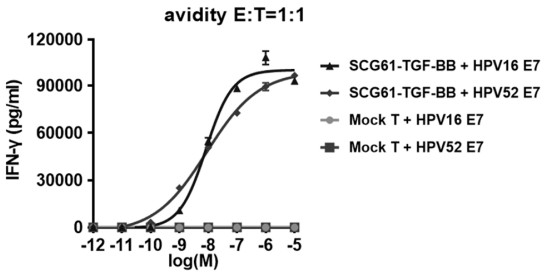


Figure 26

Peptide	Sequence
HPV16 E7 11-19	YMLDLQPET
HPV52 E7 11-19	YILDLQPET



Peptide	HPV16 E7	HPV52 E7
SCG61-TGF-BB EC50 (M)	8.39 X 10^-9	8.82 X 10^-9

Figure 27

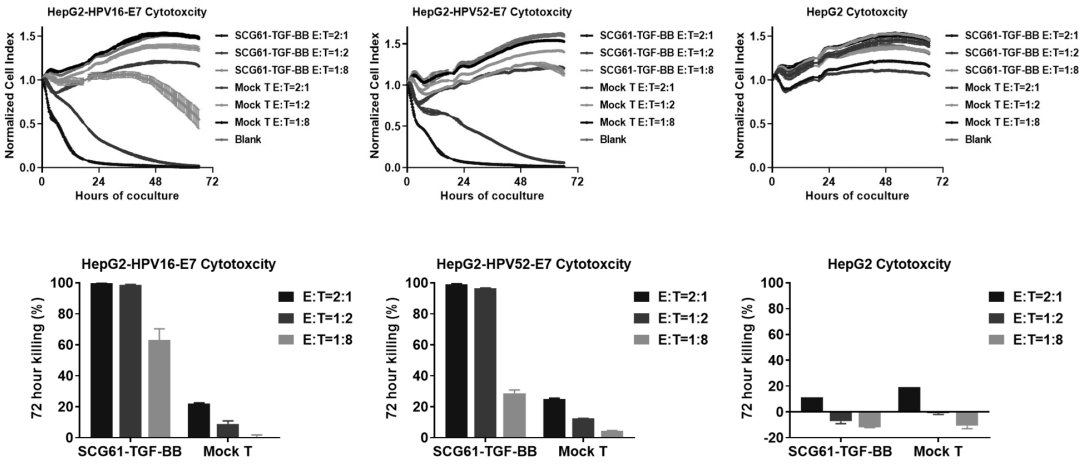


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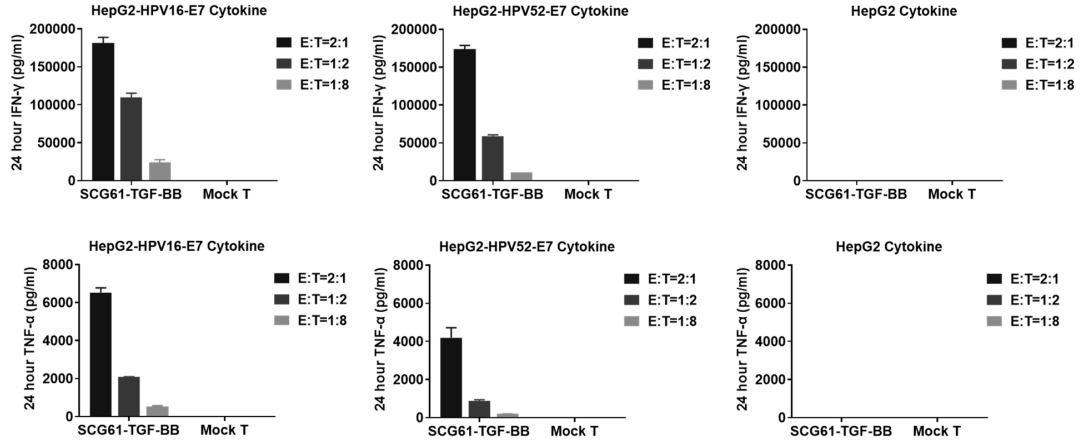


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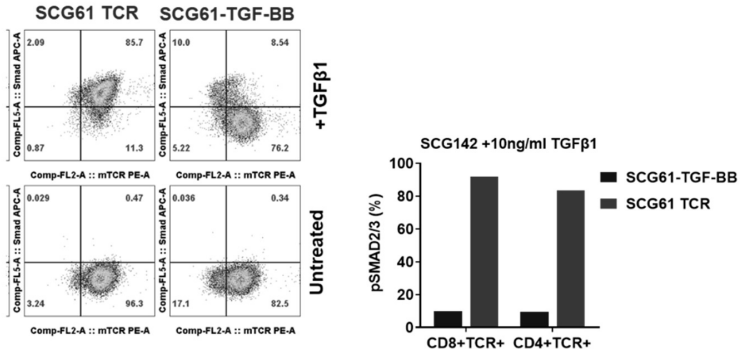


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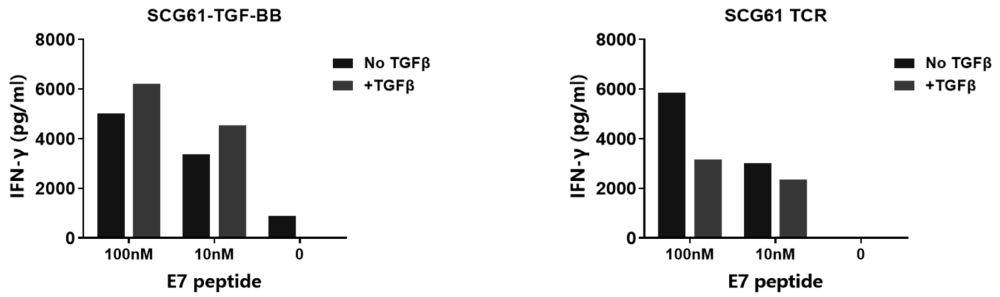


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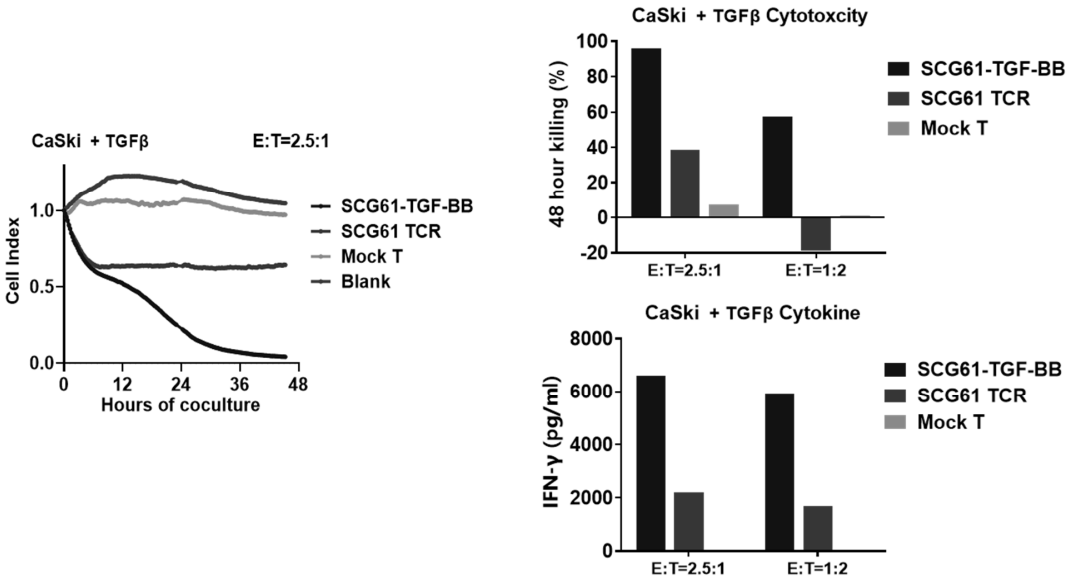


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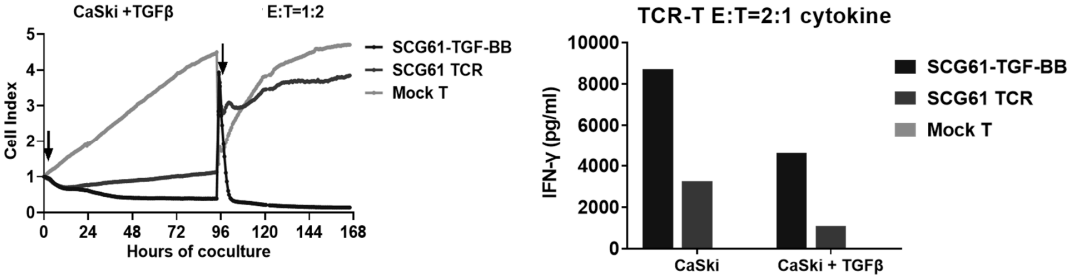


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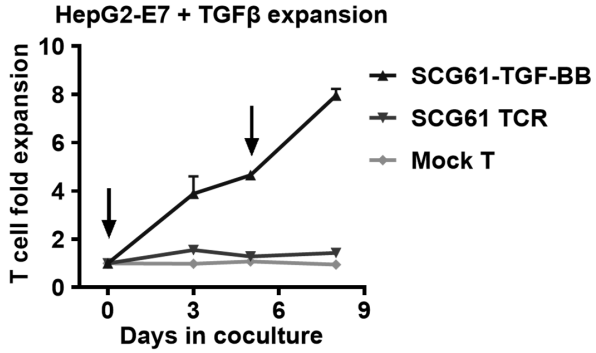


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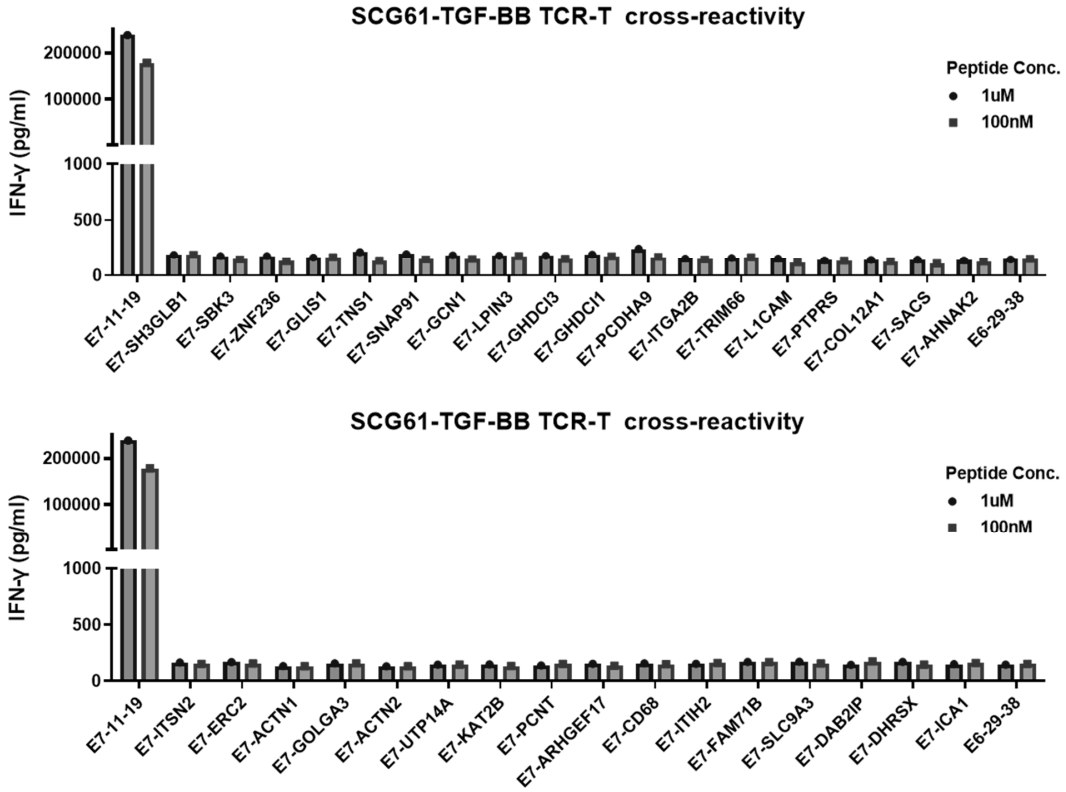


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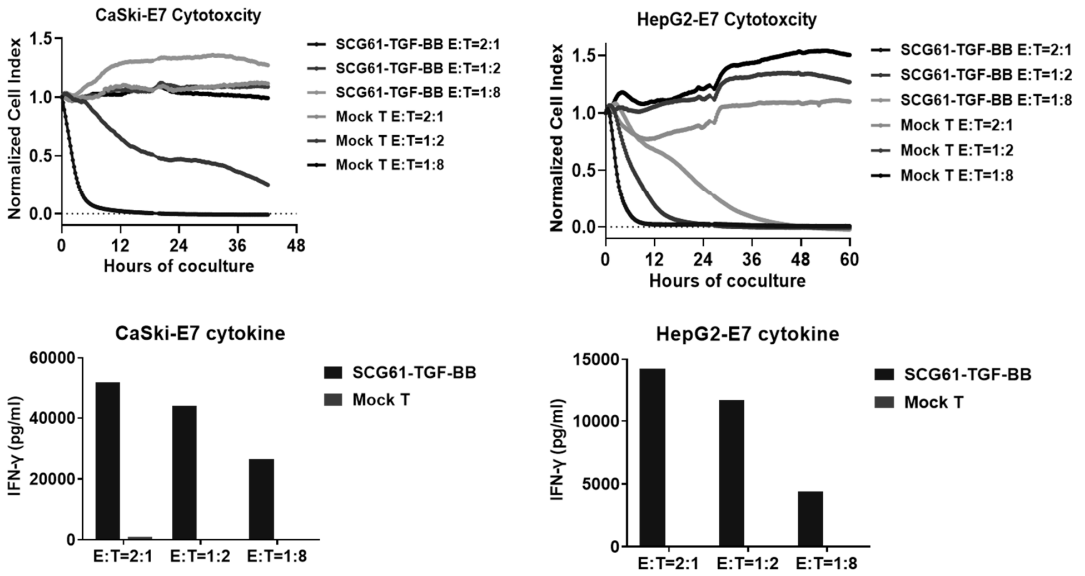
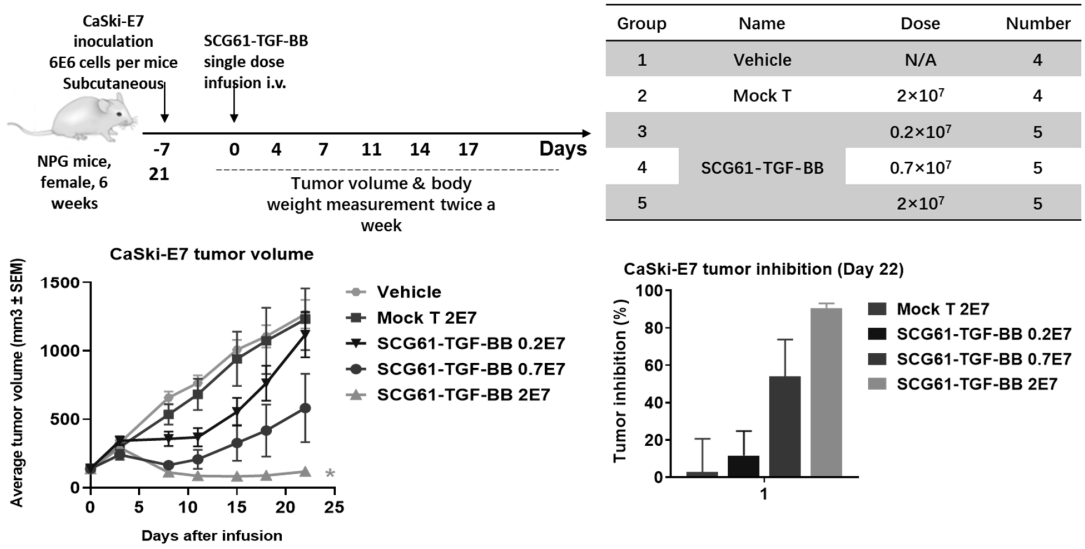


Figure 36



Group	Name	Dose	Number
1	Vehicle	N/A	4
2	Mock T	2×10^7	4
3	SCG61-TGF-BB	0.2×10^7	5
4		0.7×10^7	5
5		2×10^7	5

Figure 37

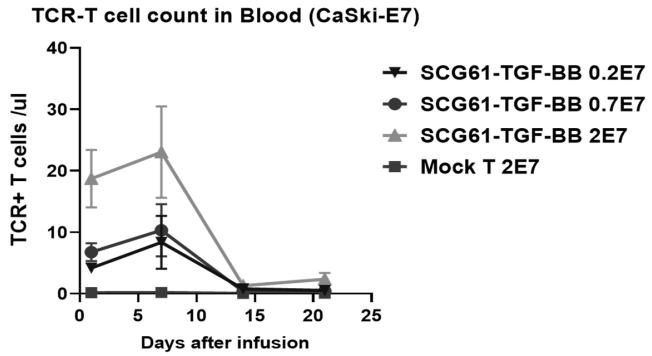
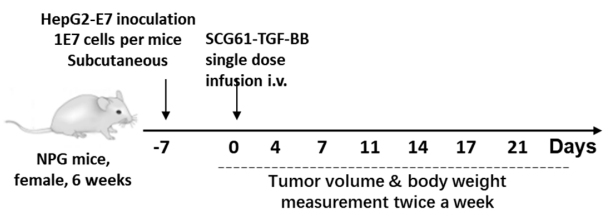
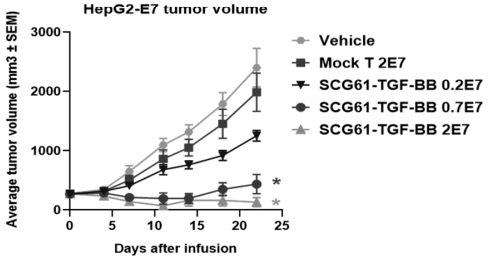


Figure 38



Group	Name	Dose	Number
1	Vehicle	N/A	5
2	Mock T	2×10^7	5
3	SCG61-TGF-BB	0.2×10^7/TCR+	5
4		0.7×10^7/TCR+	5
5		2×10^7/TCR+	5



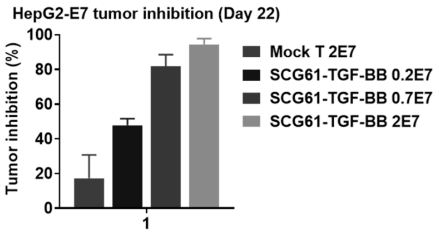


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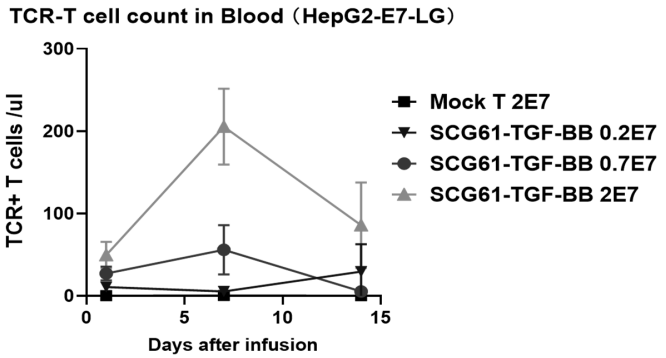


Figure 40