SUPPLEMENTARY DATA

Supplementary Table 1. Summary table of cell transfers

Donor	Recipient	Days at onset	Incidence
BDC 2.5	NOD Controls	7.8 ± 0.3	11/11
	B6.H2g$^{7/+}$ Rag$^{-/-\ lpr/+}$	10.4 ± 0.3	8/8
	B6.H2g^{7} Rag$^{-/-\ lpr/lpr}$	12.4 ± 1.4	5/5
	NOD.FasKi.RIP-Cre3	9.8 ± 0.3	4/4
	NOD.TNFR 1$^{-/-}$	8.5 ± 0.8	6/6
	NOD.TNFR 2$^{-/-}$	10.5 ± 1.1	8/10
	NOD.TNFR1/2 KO	18.5 ± 0.9	8/8
	NOD→NOD.TNFR 1/2 KO (Chimera)	7.0 ± 0.3	10/10
	NOD.TNFR1/2 KO → NOD.TNFR1/2 KO (Chimera)	20 ± 4.7	4/4
BDC 2.5 Prf$^{-/-}$	NOD	9.0 ± 0.6	4/4
	NOD.TNFR 1/2 KO	15.5 ± 0.3	4/4
BDC 2.5 Prf$^{-/-\ gld/gld}$	NOD	9.3 ± 0.6	3/3
	NOD.TNFR1/2 KO	16.7 ± 0.3	3/3
B6.K^{d} G9C8	NOD	5.5 ± 0.3	4/4
	B6.K^{d} Rag$^{-/-}$	5.5 ± 0.3	5/5
	B6.K^{d} Rag$^{-/-\ lpr/lpr}$	9.6 ± 0.4	5/5
B6.K^{d} G9C8 TNF$^{-/-}$	NOD.SCID	8.2 ± 1.4	6/6
	NOD.SCID$^{lpr/lpr}$	8.0 ± 1.0	7/7
B6.K^{d} G9C8 Prf$^{-/-}$	NOD	6.5 ± 0.5	4/4
	B6.K^{d} Rag$^{-/-}$	8.0 ± 0.6	5/5
	B6.K^{d} Rag$^{-/-\ lpr/lpr}$	No diabetes	0/7
B6.K^{d} G9C8 Prf$^{-/-}$ TNF$^{-/-\ gld/gld}$	NOD	No diabetes	0/8
G9C8 Cell line (Clone)	NOD	6.4 ± 0.3	16/16
	B6.K^{d} Rag$^{-/-}$	10.7 ± 0.9	3/3
	B6.K^{d} Rag$^{-/-\ lpr/lpr}$	No diabetes	0/4
	NOD.TNFR 1$^{-/-}$	9.0*	1/5
	NOD.TNFR 2$^{-/-}$	6.7 ± 0.0	3/3
	NOD.TNFR1/2 KO	23.4 ± 2.0*	5/8

* day of onset in these cases refers to mice that became diabetic

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Supplementary Figure 1. B6.K^{d}G9C8 Prf $^{-/-}$ TNF$^{-/-\ gld/gld}$ T cells do not exhibit a defect in proliferation or homing to the pancreas.

A. 2 x 10^5 splenocytes from B6.K^{d}G9C8 (WT) or B6.K^{d}G9C8 Prf $^{-/-}$ TNF$^{-/-\ gld/gld}$ (triple-KO) mice were incubated in triplicates in a 96-well plates in the presence of variable concentration of InsB$^{15-23}$ peptide. Cultures were pulsed at 48h with 1μCi of [^{3}H] thymidine/well and harvested 12h later. Curves were not statistically different within 2-5μg/ml interval that was used to activate cells for injection.
p values were found using Student's T test. * $p < 0.05$.

B. Peptide-activated cells from WT and TKO mice isolated at d5 of *in vitro* culture and live-gated on CD8+ T cells were analyzed for activation markers CD44 (top) and CD127 (bottom). Shaded histograms represent similarly gated unstained samples.
C. 10^7 *in vitro* activated WT and TKO cells were labeled with DiI and transferred i.v. into irradiated NOD recipients. 48h later pancreata were isolated and frozen sections were analyzed for the presence and total number of infiltrating labeled T cells. Data represent mean + SEM of three mice per group. ns-not statistically significant.