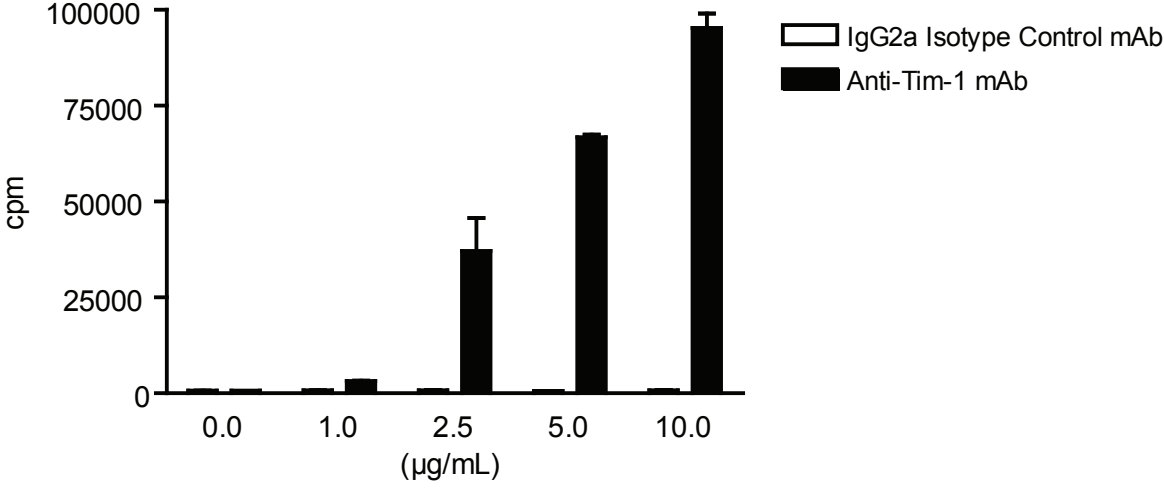
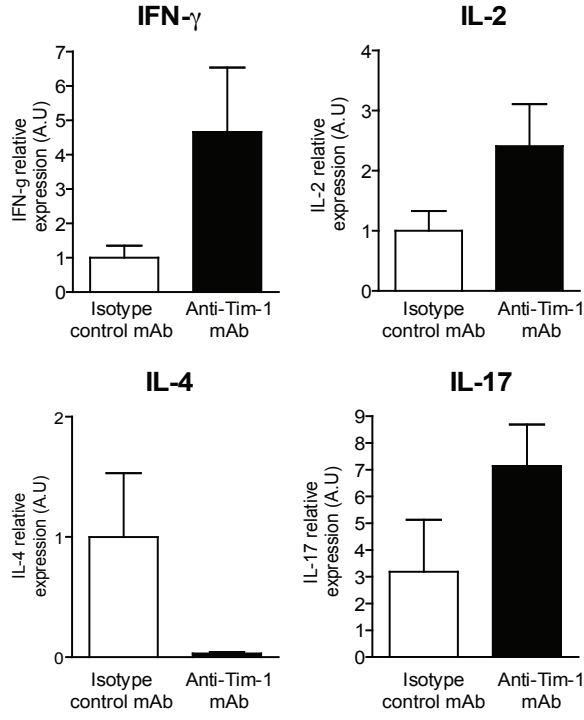
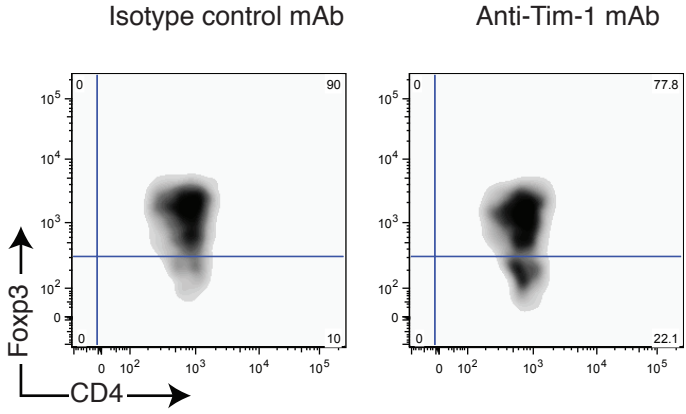


SUPPLEMENTARY FIGURE 1



SUPPLEMENTARY FIGURE 2



SUPPLEMENTARY FIGURE 3

Supplementary figure 1. Activation of the Tim-1 pathway polarizes the commitment of naïve T cells toward a T_H1/T_H17 biased pro-inflammatory-type response. C57BL/6 $CD4^+CD25^-$ cells were stimulated with mature allogeneic DBA/2 DCs in the presence of anti-Tim-1 mAb or IgG2a isotype control mAb. mRNA expression of $T_H1/T_H2/T_H17$-related cytokines was quantified by qRT-PCR in alloreactive T_{EFF} cells after two days of culture. Data are presented as the mean ± SEM of five independent experiments.

Supplementary figure 2. Activation of the Tim-1 pathway induces the downregulation of Foxp3 expression by GFP(Foxp3)$^+$CD4$^+$ T_{REG} cells. FACS sorted GFP(Foxp3)$^+$ T_{REG} from GFP(Foxp3) knock-in mice were co-cultured with highly mature DBA/2 DCs in the presence of anti-Tim-1 mAb or IgG2a isotype control mAb. After 6 days of culture, level of Foxp3 expression of $CD4^+TCR\beta^+$ cells was assessed by intracellular staining. Data are representative of three independent experiments.

Supplementary figure 3. Agonist anti-Tim-1 mAb elicits T cell proliferation in the presence of syngeneic mature DC. Naïve $CD4^+CD25^-$ T cells purified from C57BL/6 mice were cultured with highly mature syngeneic DC from wild type C57BL/6 mice in the presence of increasing doses of anti-Tim-1 mAb or isotype control mAb. Tritiated thymidine incorporation (c.p.m.) was measured after 48 h of culture. Bars represent the mean ± SEM of one of 4 consecutive experiments yielding similar results.

Supplemental Table 1

Genes and TaqMan primer/probe sets

Gene name	Gene symbol	TaqMan assay ID
B cell leukemia/lymphoma 2	*Bcl-2*	Mm00477631_m1
Cytotoxic T lymphocyte–associated protein 4	*CTLA-4*	Mm00486849_m1
Glyceraldehyde-3-phosphate dehydrogenase	*GAPDH*	4308318
Forkhead box P3	*Foxp3*	Mm00475156_m1
Tumor necrosis factor receptor superfamily, member 18	*GITR*	Mm00437136_m1
Interferon gamma	*IFN-γ*	Mm00801778_m1
Interleukin 2	*IL-2*	Mm00434256_m1
Interleukin 4	*IL-4*	Mm00445259_m1
Interleukin 10	*IL-10*	Mm00439616_m1
Interleukin 17A	*IL-17A*	Mm00439618_m10