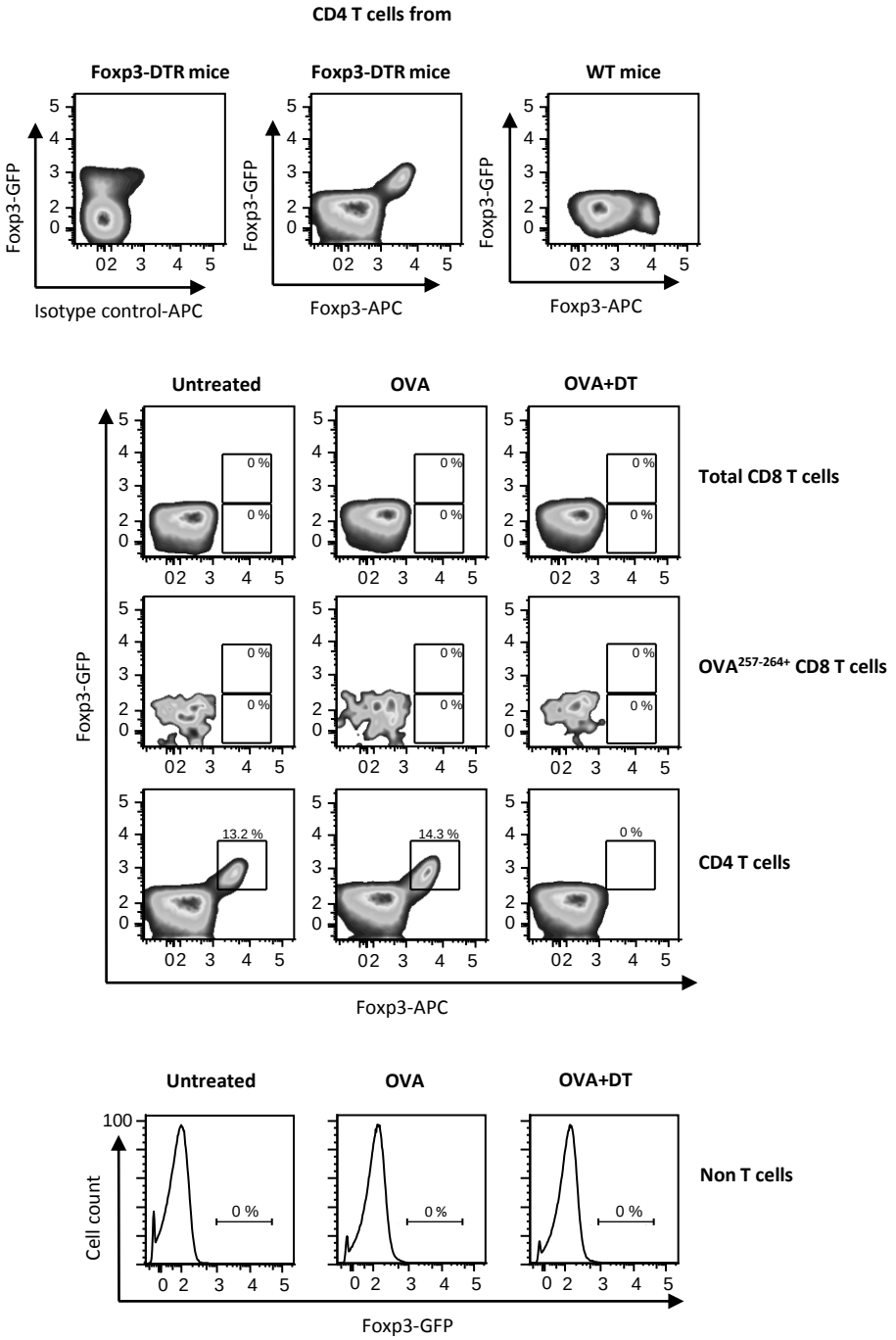
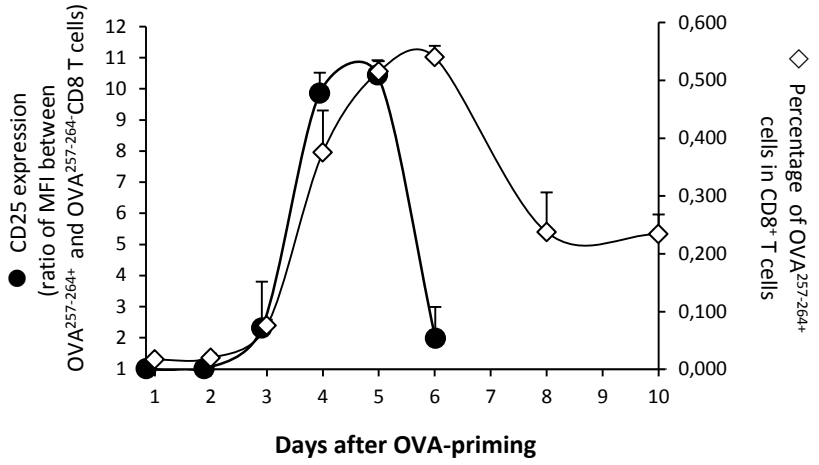
Supplementary Figure S1



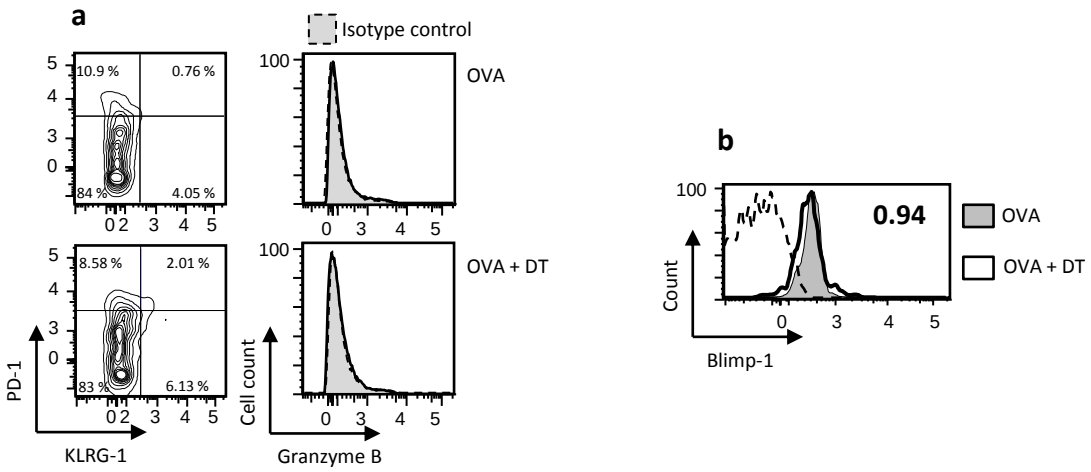
Supplementary figure S1: CD8 T cells do not express FoxP3 either at rest or following antigen activation. Foxp3-DTR mice were injected i.v. with 10^4 OT-I cells. Two days later, mice were vaccinated with OVA or left untreated. Some mice received 2 injections of DT at day 3 and 5 (OVA + DT). On day 6, splenocytes were stained with anti-CD3, anti-CD4, anti-CD8, dextramer $OVA^{257-264}$-PE and anti-Foxp3-APC and analyzed by flow cytometry. Foxp3-expressing endogenous cells should be Foxp3-GFP$^+$ and Foxp3-APC$^+$ while exogenous OT-I cells, if Foxp3$^+$, should be Foxp3-GFP $^-$ but Foxp3-APC$^+$.

Supplementary Figure S2



Supplementary Figure S2: Kinetics of activation and expansion of specific CD8 T cells following OVA priming. Foxp3-DTR mice were injected i.v. with 10^4 OT-I cells. Two days later, the mice were vaccinated with OVA. CD25 expression on $OVA^{257-264}$-specific CD8 T cells was analyzed by flow cytometry daily from day 1 to day 6. Results are expressed as the CD25 MFI ratio between $OVA^{257-264}$-specific CD8 T cells and $OVA^{257-264}$-non specific CD8 T cells (closed circles). The percentage of $OVA^{257-264}$-specific CD8 T cells among total CD8 T cells is also shown up to day 10 following OVA vaccination (open diamonds). Results are means ± SD of data from 2 independent experiments with 3 mice per time-point.

Supplementary Figure S3



Supplementary Figure S3: Expression of KLRG-1 and Blimp-1 in resting memory CD8 T cells generated in the presence or absence of Tregs. Foxp3-DTR mice were injected i.v. with 10^4 OT-I cells. Two days later, the mice were vaccinated with OVA. Some mice received 2 injections of DT at day 3 and 5 (OVA + DT). Fifty days later, memory $CD44^+$ $OVA^{257-264}$-specific CD8 T cells were analyzed by flow cytometry for KLRG-1, PD-1 and Granzyme B **(Supplementary Fig. S3a)** and Blimp-1 **(Supplementary Fig. S3b)** expression. In **Fig. S3b,** the number in the top right corner represents the MFI ratio between the OVA+DT and OVA conditions and was calculated as follows: [(MFI OVA + DT – MFI isotype control)/ (MFI OVA – MFI isotype control)]. Dashed lines represent the isotype control. Results shown in Fig. S3a and S3b are representative of 3 independent experiments involving 2-3 mice per condition per experiment.