

Supplementary information

Transfer of regulatory T cells into abortion-prone mice promotes the expansion of uterine mast cells and normalizes early pregnancy angiogenesis

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Running title: Tregs contribute to angiogenesis through uMCs

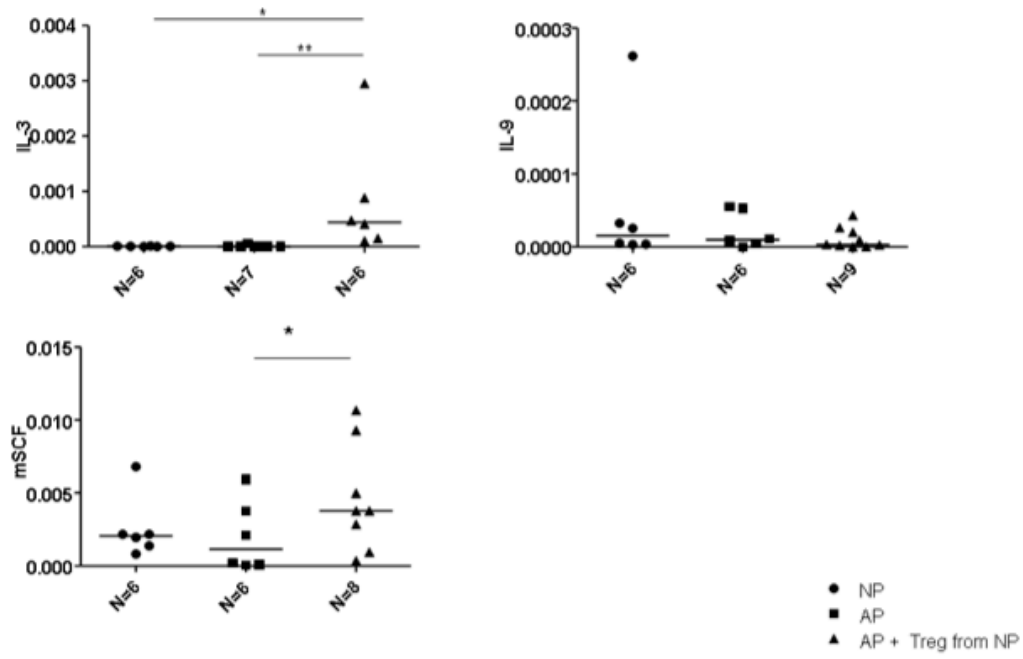
Legends to supplementary Figures

Supplementary Figure 1: Transfer of Tregs resulted in augmented expression of IL-3 and mSCF but not of IL-9 at the feto-maternal interface.

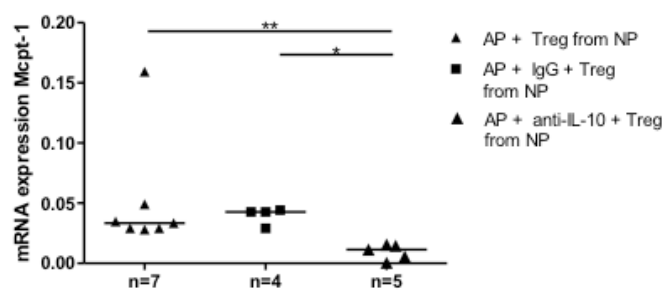
Normal pregnant (NP, n=6), abortion-prone (AP, n=6-7) and abortion-prone animals transferred with Tregs (AP+Treg, n=6-9) were sacrificed at day 12 of pregnancy. IL-3, IL-9 and mSCF mRNA levels were analyzed by real time PCR and the data expressed as $2^{-\Delta\text{CT}}$. Data are shown as single values with medians. Statistically significant values are indicated as follows: *p<0.050, **p<0.005 (Mann Whitney-U test).

Supplementary Figure 2: Blockage of IL-10 hampered the augmentation of Mcpt-1 in mice that have been transferred with Tregs

Abortion-prone mice treated with Treg (AP + Treg, n=7), abortion-prone mice treated with Treg and 1 mg IgG (AP + IgG + Treg, n=4) as well as abortion-prone animals transferred with Tregs and treated with 1 mg anti-IL-10 at days 0 and 7 of pregnancy (AP+Treg, n=6-9) were sacrificed at day 12 of pregnancy. Mcpt-1 mRNA levels were analyzed by real time PCR and the data expressed as $2^{-\Delta\text{CT}}$. Data are shown as single values with medians. Statistically significant values are indicated as follows: *p<0.050, **p<0.005 (Mann Whitney-U test).



Suppl. Fig. 1



Suppl. Fig. 2