Figure S1. γδ T cells reside in the prostate and seminal vesicle with a diverse effector function. (A) Representative contour plots depicting γδ and αβ T cells (right) gated on CD3+CD45+ cells (left) in the prostate (top) and seminal vesicle (bottom). Scatter plots show frequencies of γδ (black) and αβ (white) T cells among CD45+CD3+ cells (n=19-26, 5 independent experiments). (B) Scatter plot displays frequencies of CD44 expression on γδ T cells in the prostate and seminal vesicle (n=10-14, 3 independent experiments). (C) Pie charts depicting mean frequencies of Vγ1+, Vγ4+, Vγ6+, and other γδ T cell subsets in prostate (left) and seminal vesicle (right) (n=10-11, 3 independent experiments). (E) Representative contour plots and scatter plots showing IL-17 and IFN-γ production among γδ T cells in the prostate (left) and seminal vesicle (right) (n=10-13, 3 independent experiments). Data are represented as mean ± SD.
Figure S2. Testicular IFN-γ production is not dependent on microbiota signals. (A) Representative contour plots depicting IFN-γ production against CD3 expression gated on all CD45^+ cells in the testes of specific pathogen-free (SPF) (left) and germ-free (GF) (right) mice. Scatter plots show frequencies and numbers of IFN-γ^+ cells among CD45^+ cells (n=11-20, 3-5 independent experiments). (B) Pie chart depicting mean frequencies of immune cell subsets contributing to IFN-γ production in testes of SPF (left) and GF (right) mice (n=11-12, 3 independent experiments). Each dot represents one mouse. Data are pooled from 3-5 independent experiments and are represented as mean ± SD.
Figure S3. TLR2, TLR4 and IL-17RA expression in different testicular cell subset. (A) mRNA expression of TLR2 (black) or TLR4 (white) relative to b-actin and b2-microglobulin reference genes in the indicated testicular cell subsets (n=2-8, 1-2 independent experiments) (B) mRNA expression of IL-17RA relative to beta-actin and beta 2-microglobulin reference genes in the indicated testicular cell subsets (n=2-8, 1-2 independent experiments). Data is represented as mean ± SD.