



Supplemental Figure 1. Class A TLR9 agonists induced PRM disappearance. WT mice were treated with PBS (100ul, i.p.), ODN1585 (5nmol/mouse i.p.), ODN2216 (5nmol/mouse i.p.), or ODN2336 (5nmol/mouse i.p.) for 18 hours. PRM counts (A) and the percentage of PRM in total F4/80⁺ cells (B) are shown. Data are shown as mean \pm SD from 2 separate experiments. Symbols represent individual mice. Statistical differences were determined using one way ANOVA with Turkey's multiple group comparison test. * $p < 0.05$; **** $p < 0.0001$. Only the significant differences are labeled.

Supplemental Table 1 PCR primers

| Name | Sequence/description | |
|--|---|-------------------------|
| Ms_Aldh1a1 | Forward Primer | ATACTTGTCGGATTTAGGAGGCT |
| | Reverse Primer | GGGCCTATCTTCCAAATGAACA |
| Ms_Aldh1a2 | Forward Primer | CAGAGAGTGGGAGAGTGTTCC |
| | Reverse Primer | CACACAGAACCAAGAGAGAAGG |
| Ms_WT1 | Forward Primer | GAGAGCCAGCCTACCATCC |
| | Reverse Primer | GGGTCCTCGTGTTTGAAGGAA |
| Ms_GAPDH | forward primer | AACTTTGGCATTGTGGAAGG |
| | reverse primer | ACACATTGGGGGTAGGAACA |
| H_GAPDH | Forward Primer | GGAGCGAGATCCCTCCAAAAT |
| | Reverse Primer | GGCTGTTGTCATACTTCTCATGG |
| H_Aldh1a1 | Forward Primer | GCCGGAGGAAATGTACCAGAC |
| | Reverse Primer | CCCCTTGAAGGTAGGGCAG |
| Hs_ALDH1A2_1_SG QuantiTect Primer Assay | (NM_170697, NM_003888, NM_001206897, NM_170696) | |
| | GeneGlobe ID - QT00066045 | |
| Hs_WT1_1_SG QuantiTect Primer Assay | (NM_000378, NM_001198552, NM_024425) | |
| | GeneGlobe ID - QT00059003 | |

Supplemental Table 2 flow antibody for surface staining

| antibody | clone | company |
|--|-------------|----------------|
| FRC staining | | |
| BUV395 Rat Anti-Mouse CD45 | 30-F11 | BD Biosciences |
| BUV395 Rat Anti-Mouse CD31 | 390 | BD Biosciences |
| PE-Cy TM 7 Rat Anti-Mouse CD31 | 390 | BD Biosciences |
| Brilliant Violet 421 TM anti-mouse CD140a | APA5 | BioLegend |
| APC anti-mouse Podoplanin | 8.1.1 | BioLegend |
| PE anti-mouse CD55 (DAF) | RIKO-3 | BioLegend |
| PerCP/Cyanine5.5 anti-mouse CD9 | MZ3 | BioLegend |
| Immune cells staining | | |
| PE/Cyanine7 anti-mouse/human CD11b | M1/70 | BioLegend |
| APC/Cyanine7 anti-mouse/human CD11b | M1/70 | BioLegend |
| PerCP/Cy5.5-anti-mouse CD11b | M1/70 | BioLegend |
| PE/Cyanine7 anti-mouse I-A/I-E (MHC II) | M5/114.15.2 | BioLegend |
| Brilliant Violet 605 TM anti-mouse F4/80 | BM8 | BioLegend |
| Brilliant Violet 421 anti-mouse F4/80 | BM8 | BioLegend |
| Alexa Fluor [®] 700 anti-mouse CD11c | N418 | BioLegend |
| PE-Cy-7 Rat Anti-mouse CD45 | 30-F11 | BD Biosciences |
| BUV395 Rat Anti-mouse Ly-6G | 1A8 | BD Biosciences |
| Alexa Fluor 700 Rat Anti-mouse CD3 | 17A2 | BioLegend |
| PerCP/Cy5.5-anti-mouse CD4 | GK1.5 | BioLegend |
| V450 anti-mouse CD8a | 53-6.7 | eBioscience |
| APC anti-mouse CD39 | Duha59 | Biolegend |
| PE anti-mouse CD8a | 53-6.7 | Biolegend |
| AF700 anti-mouse CD4 | RM4-5 | Biolegend |
| APC anti-mouse FOXP3 | FJK-16s | Biolegend |
| FITC anti-mouse T-bet | 4B10 | Biolegend |
| Brilliant Violet 421 anti-mouse CD279(PD1) | 29F.1A12 | Biolegend |
| PE/Cyanine7 anti-mouse IFN- γ | XMG1.2 | Biolegend |
| Alexa Fluor647 anti-mouse Tim-4 | RMT4-54 | BioLegend |
| Fixable Viability Dye eFluor TM 780 | | Biolegend |
| Intracellular staining | | |
| PE-anti-mouse GATA-6 | D61E4 | Cell Signaling |
| PE Mouse Anti-Mouse CD289 (TLR9) | J15A7 | BD Biosciences |