**Supplementary File 1. Antibodies.**

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| **Antibody name** | **Clone** | **Vendor** | **RRID** | **Dilution** |
| TruStain FcX™ PLUS | S17011E | Biolegend #156604 | AB\_2783137 | 1:1000 |
| Anti-mouse CD3-APC/Fire750 | 17A2 | Biolegend #100247 | AB\_2572117 | 1:100 |
| Anti-mouse CD11b-BV605 | M170 | Biolegend #101237 | AB\_11126744 | 1:400 |
| Anti-mouse CD11c-PE/Dazzle594 | N418 | Biolegend #117347 | AB\_2563654 | 1:200 |
| Anti-mouse CD19-FITC | 1D3/CD19 | Biolegend #152404 | AB\_2629813 | 1:100 |
| Anti-mouse CD45-BV650 | 30-F11 | Biolegend #103151 | AB\_2565884 | 1:400 |
| Anti-mouse F4/80-APC/R700 | T45-2342 | BD Horizon #565787 | AB\_2869711 | 1:400 |
| Anti-mouse FceRIa-PE/Cy7 | MAR-1 | Biolegend #134318 | AB\_10640122 | 1:100 |
| Anti-mouse Ly6G-BV421 | 1A8 | Biolegend #127627 | AB\_10897944 | 1:200 |
| Anti-mouse MHC Class II-BV421 | M5/114.15.2 | Biolegend #107632 | AB\_2650896 | 1:200 |
| Anti-mouse NK1.1-BV510 | PK136 | Biolegend #108737 | AB\_2562216 | 1:200 |