

Supplementary Table S1 Details of the antibodies used for flow cytometry

| Antibody | lot number | Brand |
|-------------------|-------------------|---|
| Anti-CD16/CD32 | 14-0161-85 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD3 PE-cy7 | 25-0032-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD3 APC-cy7 | 47-0032-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD4 FITC | 53-0041-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD8 PerCP | 45-0081-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD19 APC-cy7 | 47-0193-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD19 PE-cy7 | 25-0193-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD138 PE | 142504 | BioLegend, Inc. |
| Anti-CD69 APC | 17-0691-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD25 APC | 17-0251-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD44 PE | 12-0441-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD62L APC | 17-0621-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-B220 PerCP | 45-0452-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-GL-7 APC | 50-5902-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-MHC-II FITC | 11-5321-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD23 APC | 50-0232-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD21 PE | 12-0212-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-CD69 PE | 104508 | BioLegend, Inc |

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| Anti-Foxp3 PE | 12-5773-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-IL-4 APC | 17-7041-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-IFN- γ PE-cy7 | 25-7311-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-TNF PE | 12-7321-82 | eBioscience™; Thermo Fisher Scientific, Inc |
| Anti-Annexin V-FITC | 35-6410 KIT | Tonbo Biosciences, Inc |
| Anti-7-AAD PerCP | 35-6410 KIT | Tonbo Biosciences, Inc |
