Germinal center B cells selectively oxidize fatty acids for energy while conducting minimal glycolysis

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| Target antigen | conjugation | clone  | Company   | Catalog number | Lot number | Titer to use |
|----------------|-------------|--------|-----------|----------------|------------|--------------|
| anti-CD40      | biotin      | MR-1B  | homemade  | N/A            | N/A        | 10 µg/ml     |
| anti-CD4       | biotin      | GK1.5  | homemade  | N/A            | N/A        | 1:800        |
| anti-CD8       | biotin      | T1B105 | homemade  | N/A            | N/A        | 1:400        |
| anti-CD11b     | biotin      | M1/70  | homemade  | N/A            | N/A        | 1:1600       |
| anti-CD38      | biotin      | 90     | homemade  | N/A            | N/A        | 1:500        |
| anti-CD43      | biotin      | S7     | homemade  | N/A            | N/A        | 1:200        |
| anti-CD11c     | biotin      | N418   | homemade  | N/A            | N/A        | 1:250        |
| anti-IgD       | biotin      | 11-26c | eBioscience | 13-5993-82  | 423862     | 1:250        |
| anti-Ter119    | biotin      | Ter119 | homemade  | N/A            | N/A        | 1:800        |
| anti-CD49b     | biotin      | Dx5    | BD Pharmingen | 553856     | 7341684    | 1:300        |
| anti-Gr1       | biotin      | RB6-8C5 | Biolegend  | 108404       | B236916    | 1:500        |
| anti-CD138     | biotin      | 281-2  | BD Biosciences | 553713    | 5195797    | 1:500        |
| anti-CD4       | BV605       | RM4-5  | BD Horizon | 563151      | 8039838    | 1:200        |
| anti-CD19      | BV786       | 1D3    | BD Horizon | 563333      | 8008977    | 1:800        |
| streptavidin   | BUV737      | N/A    | BD Horizon | 564293      | 5149748    | 1:1000       |
| anti-CD95      | PE-Cy7      | Jo2    | BD Biosciences | 557653    | 8165575    | 1:300        |
| PMP70          | unconjugated | Cy3    | polyclonal | Invitrogen  | PA1-650    | 1:400        |
| goat anti-rabbit IgG | Cy3 | polyclonal | Invitrogen | A10520 | 1891009 | 1:400        |
| anti-CD36      | APC         | 72-1   | eBioscience | 17-0361-80 | E13418-109    | 1:1000       |
| anti-CD45.2    | APC-eFluor 780 | 104   | eBioscience | 47-0454-82 | 1946667    | 1:200        |
| anti-CD45.1    | BV650       | A20    | Biolegend  | 110736      | B243451    | 1:200        |
| anti-CD86      | Alexa Fluor 488 | GL-1  | homemade  | N/A          | N/A        | 1:400        |
| anti-CD93      | PE          | AA4.1  | Biolegend  | 136504      | B213154    | 1:200        |
| anti-CD38      | Pacific blue | 90     | homemade  | N/A          | N/A        | 1:400        |
| anti-CD4       | Alexa Fluor 700 | GK1.5 | homemade  | N/A          | N/A        | 1:400        |
| anti-CD19      | BUV395      | 1D3    | BD Biosciences | 563557    | 9165724    | 1:200        |
| anti-CD38      | PE          | 90     | Biolegend  | 102708      | B159089    | 1:400        |
| Antibody          | fluorochrome | Clone | Brand    | Cat No. | Lot No. | Dilution |
|-------------------|--------------|-------|----------|---------|---------|----------|
| anti-CD86         | BV650        | GL-1  | Biolegend| 105036  | B251588 | 1:400    |
| anti-CD44         | APC-Cy7      | IM7   | Biolegend| 103028  | B262797 | 1:200    |
| anti-CD138        | APC          | 281-2 | Biolegend| 142506  | B173073 | 1:200    |
| anti-CXCR4        | BV421        | L276F12 | Biolegend | 146511  | B249866 | 1:400    |
| anti-CXCR5        | PE-Cy7       | 2GB   | BD Biosciences | 560617  | 6096593 | 1:200    |
| anti-TCR beta     | BV421        | H57-597 | Biolegend | 109230  | B251262 | 1:200    |
| anti PD-1 (CD279) | BV605        | J43   | BD Biosciences | 563059  | 7047607 | 1:50     |
| anti-CD4          | PE           | GK1.5 | Biolegend | 100408  | B196678 | 1:800    |
| anti ICOS (CD278) | Alexa Fluor 647 | C398.4A | Biolegend | 313516  | B205067 | 1:200    |
| anti-CD19         | APC-Cy7      | 1D3   | BD Biosciences | 557655  | 8194765 | 1:200    |
| anti-TCR beta     | PerCP-Cy5.5  | H57-597 | Biolegend | 109228  | B272829 | 1:100    |
| anti-lambda light chain | Pacific blue | JC5 | Homemade | N/A     | N/A     | 1:200    |
| anti-CD86         | PE           | GL1   | BD Biosciences | 553692  | 4073721 | 1:200    |
| anti-CD19         | Alexa Fluor 647 | 1D3 | Homemade | N/A     | N/A     | 1:800    |
| anti-CD4          | Pacific blue | GK1.5 | Homemade | N/A     | N/A     | 1:200    |
| anti-CD4          | Alexa Fluor 647 | GK1.5 | Homemade | N/A     | N/A     | 1:400    |