**Supplemental Material 1**

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| Description | Primary antibody | | | | | | | Secondary antibody | | | | | | |
|  | Name | Type | Amount | Specificity | Host | Company | Isotype | Name | Type | Amount | Specificity | Host | Company | Isotype |
| T Lymphocyte | MM1A | CD3 | 1 µL | Bovine | Mouse | VMRD1 | IgG1 | M32018 | IgG1 – PE-Cy5 | 1 µL | Mouse | Goat | Invitrogen2 | IgG1 |
| CD4 T Lymphocyte | ILA11 | CD4 | 1 µL | Bovine | Mouse | VMRD1 | IgG2a | M32204 | IGG2a – PE | 1 µL | Mouse | Goat | Invitrogen2 | IgG2a |
| CD8 T Lymphocyte | BAQ111A | CD8 | 1 µL | Bovine | Mouse | VMRD1 | IgM | M31501 | IgM – FITC | 1 µL | Mouse | Goat | Invitrogen2 | IgM |
| B Lymphocyte | BAQ15A | CD21 | 1 µL | Bovine | Mouse | VMRD1 | IgM | M31505 | IgM – APC | 2 µL | Mouse | Goat | Invitrogen2 | IgM |

**Supplemental Table 1.** Monoclonal antibodies used for immunophenotyping bovine milk lymphocytes by flow cytometry

APC: Allophycocyanin; FITC: fluorescein isothiocyanate; PE: R-Phycoerythrin; PE-Cy5: Phycoerythrin cyanine 5; 1VMRD Pullman Inc. Corp®, Pullman, WA, USA; 2Invitrogen, Carlsbad, CA, USA.