

Antibodies for surface markers:

| Antibody | Clone | Vendor | Catalog number |
|--|-------------|-------------------|----------------|
| Rat Anti-Mouse CD45R (B220) Pacific Blue | RA3-6B2 | BD Pharmingen | 558108 |
| Rat Anti-Mouse CD45R (B220) Pacific Blue | RA3-6B2 | Tonbo Biosciences | 65-0452-U100 |
| Rat Anti-Mouse CD3e PE | 145-2C11 | Tonbo Biosciences | 50-0031-U100 |
| Rat Anti-Mouse CD8a PerCPCy5.5 | GK1.5 | Southern Biotech | 1540-09L |
| Rat Anti-Mouse CD4 BUV395 | GK1.5 | BD Pharmingen | 563790 |
| Rat Anti-Mouse CD8a Pacific Blue | 53-6.7 | BD Pharmingen | 558106 |
| Rat Anti-Mouse CD8a PECy7 | 53-6.7 | Tonbo Biosciences | 60-0081 |
| Rat Anti-Mouse CD8a PerCPCy5.5 | 53-6.7 | Tonbo Biosciences | 65-1886-U100 |
| Rat Anti-Human/Mouse CD11b FITC | M1/70 | Tonbo Biosciences | 35-0112 |
| Rat Anti-Human/Mouse CD11b PE | M1/70 | BD biosciences | 553311 |
| Hamster Anti-/Mouse CD11c PE | HL3 | BD biosciences | 553802 |
| Rat Anti-Mouse CD19 PE | 6D5 | BioLegend | 115508 |
| Rat Anti-Mouse CD21 FITC | 7G6 | BD biosciences | 553818 |
| Rat Anti-Mouse CD23 PECy7 | B3B4 | eBioscience | 25-0232-82 |
| Rat Anti-Mouse CD25 APC | PC61 | BioLegend | 102012 |
| Rat Anti-Mouse CD25 PE | PC61.5 | Tonbo Biosciences | 50-0251-U100 |
| Rat Anti-Mouse CD44 Pacific Blue | IM7 | BioLegend | 103020 |
| Rat Anti-Mouse CD44 BV421 | IM7 | BD biosciences | 563970 |
| Mouse Anti-Mouse CD45.1 PerCPCy5.5 | A20 | Tonbo Biosciences | 65-0453-U100 |
| Mouse Anti-Mouse CD45.1 APC | A20 | eBioscience | 17-0453-82 |
| Mouse Anti-Mouse CD45.1 FITC | A20 | BD Pharmingen | 553775 |
| Mouse Anti-Mouse CD45.1 PE | A20 | Tonbo Biosciences | 50-0453-U-100 |
| Mouse Anti-Mouse CD45.2 PECy7 | 104 | Tonbo Biosciences | 60-0454-U100 |
| Mouse Anti-Mouse CD45.2 Pacific Blue | 104 | BioLegend | 109820 |
| Mouse Anti-Mouse CD45.2 FITC | 104 | BD Pharmingen | 553772 |
| Mouse Anti-Mouse CD45.2 BV737 | 104 | BD biosciences | 612778 |
| Rat Anti-Mouse CD62L PE | MEL-14 | eBioscience | 12-0621-83 |
| Rat Anti-Mouse CD62L BV711 | MEL-14 | BioLegend | 104445 |
| Rat Anti-Mouse CD69 PECy7 | H1.2F3 | BioLegend | 104502 |
| Rat Anti-Mouse CD73 BV605 | TY/11.8 | BioLegend | 127215 |
| Rat Anti-Mouse CD86 Pacific Blue | GL-1 | BioLegend | 105022 |
| Rat Anti-Mouse CD93 (AA4.1) | AA4.1 | eBioscience | 17-5892-82 |
| Rat Anti-Mouse CD138 PE | 281-2 | BioLegend | 142504 |
| Hamster Anti-Mouse CD95 (Fas) PECy7 | Jo2 | BD Pharmingen | 557653 |
| Rat Anti-Mouse CD185 (CXCR5) BV605 | L138D7 | BioLegend | 145513 |
| Rat Anti-Mouse FR4 (Folate Receptor 4) PECy7 | 12A5 | BioLegend | 125012 |
| Hamster Anti-Mouse $\gamma\delta$ TCR PE | GL3 | BD Biosciences | 553178 |
| Rat Anti-Mouse GL7 PerCPCy5.5 | GL7 | BioLegend | 144610 |
| Rat Anti-Mouse Ly-6g (Gr1) PE | 1A8 | BD Biosciences | 551461 |
| Rat Anti-Mouse IgD APC-eFluor 780 | 11-26c | eBioscience | 47-5993-82 |
| Rat Anti-Mouse MHC Class II APC | M5/114.15.2 | Tonbo Biosciences | 20-5321-U100 |
| Rat Anti-Mouse NK-1.1 PE | PK136 | BD Biosciences | 553165 |
| Rat Anti-Mouse CD279 (PD-1) PCPCy5.5 | 29F.1A12 | BioLegend | 135208 |
| Rat Anti-Mouse CD49b (pan NK cell marker) PE | DX5 | BD Biosciences | 553858 |

Antibodies for intra-cellular staining

| Antibody | Clone | Vendor | Catalog number |
|---|------------|-------------------------------------|----------------|
| Rat Anti-Mouse Foxp3 APC | FJK-16s | eBioscience | 17-5773-82 |
| Rat Anti-Mouse Foxp3 FITC | FJK-16s | eBioscience | 11-5773-82 |
| Rabbit Anti-active Caspase-3 Alexa Fluor 647 | C92-605 | BD Biosciences | 560626 |
| Mouse Anti-Mouse NUR77 PE | 12.14 | eBioscience | 12-5965-80 |
| Rat Anti-Mouse IL-2 PE | JES6-5H4 | eBioscience | 12-7021-41 |
| Rabbit Phospho-p44/42 MAPK (T202/Y204) unconjugated | 197G2 | Cell Signaling | 4377S/4377L |
| Goat Anti-Rabbit IgG (H+L) APC | Polyclonal | Jackson ImmunoResearch Laboratories | 111-005-144 |

Stimulatory Antibodies

| Antibody | Clone | Vendor | Catalog number |
|---|------------|-------------------------------------|----------------|
| Purified anti-mouse CD3 ϵ Antibody | 2c11 | BioLegend | 100340 |
| Purified anti-mouse CD28 Antibody | 37.51 | BioLegend | 102102 |
| AffiniPure Goat Anti-Armenian Hamster IgG (H+L) | Polyclonal | Jackson ImmunoResearch Laboratories | 127-005-099 |

Secondary Antibody for the detection of anti-nuclear antibody

| Antibody | Clone | Vendor | Catalog number |
|----------------------------------|------------|-------------------------------------|----------------|
| FITC Donkey Anti-Mouse IgG (H+L) | Polyclonal | Jackson ImmunoResearch Laboratories | 715-095-150 |