Supplementary Table 1: Antibodies used in this study to profile immune targets in glioma patients

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|  | **Target** | **Flurophor** | **Clone** | **Company** | **RRID** |
| 1 | CD4 | APC e-Flour 780 | SK3 | eBioscience | AB\_10804505 |
| 2 | CD4 | Pacific Blue | SK3 | Biolegend | AB\_2228841 |
| 3 | CD8 | PO | 385 | invitrogen | AB\_10372066 |
| 4 | CD11b | APC/Cy7 | ICRF44 | Biolegend | AB\_2563395 |
| 5 | CD11b | Percp/Cy5.5 | M1/70 | Biolegend | AB\_893233 |
| 6 | CD11c | APC | 3.9 | eBioscience | AB\_1659668 |
| 7 | TIGIT | FITC | MBSA43 | eBioscience | AB\_2572530 |
| 8 | TIM-3 (CD366) | FITC | F38-2E2 | Biolegend | AB\_2563937 |
| 9 | CD160 | PE-Cy7 | BY55 | Biolegend | AB\_2562875 |
| 10 | LAG-3 (CD223) | PE-Cy7 | 3DS223H | eBioscience | AB\_2573430 |
| 11 | CTLA-4 (CD152) | APC | L3D10 | Biolegend | AB\_10680785 |
| 12 | PD-1 | APC | EH12.2H7 | Biolegend | AB\_940475 |
| 13 | A2a Receptor | Alexa Fluor405 | 7F6-G5-A2 | Novusbio | AB\_2226520 |
| 14 | BTLA (CD272) | Percp/Cy5.5 | MIH26 | Biolegend | AB\_2571978 |
| 15 | KIR3DL1 | Percp/Cy5.5 | DX9 | Biolegend | AB\_2563361 |
| 16 | FoxP3 | APC | 236A/E7 | eBioscience | AB\_10804651 |
| 17 | Gal9 | PE | 9M1-3 | Biolegend | AB\_10613284 |
| 18 | HVEM (CD279) | PE-Cy7 | 122 | Biolegend | AB\_2565255 |
| 19 | CD86 | BV421 | IT2.2 | Biolegend | AB\_10899582 |
| 20 | CD80 | FITC | 2D10 | Biolegend | AB\_314501 |
| 21 | PD-L2 | PE | MIH18 | eBioscience | AB\_2161994 |
| 22 | CD155 | PE/Cy7 | SK11.4 | Biolegend | AB\_2565746 |
| 23 | CD45 | PO | HI30 | Thermo Fisher | AB\_10376143 |
| 24 | PD-L1 (CD274) | eFluor450 | MIH1 | eBioscience | AB\_2574090 |
| 25 | CD73 | FITC | AD2 | Biolegend | AB\_2561809 |
| 26 | CD39 | PE/Cy7 | A1 | Biolegend | AB\_2099950 |
| 27 | B7-H2 | PE/Cy7 | 2D3 | Biolegend | AB\_2565671 |
| 28 | B7-H3 | PerCP-eFluor710 | 7-517 | Invitrogen | AB\_2573739 |
| 29 | B7-H4 | FITC | MIH43 | Thermo Fisher | AB\_2538324 |
| 30 | 4-1BB Ligand | APC | 5F4 | Biolegend | AB\_2561311 |
| 31 | OX40L (CD252) | PE | 11C3.1 | Biolegend | AB\_2207271 |
| 32 | CD40 | BV421 | 5C3 | Biolegend | AB\_2564211 |