**Additional file 4: Table S4**

Antibodies and staining protocols

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **CD3** | **CD4** | **CD8** | **PD1** | **TIA-1** | **CD68** | **S100** |
| **Company** | **Novocastra** | **Novocastra** | **Novocastra** | **R&D** | **Beckman** | **Dako** | **Dako** |
| **Clone** | **LN10** | **4B12** | **4B11** | **Goat IgG** | **2G9A10F5** | **PG-M1** | **polyclonal** |
| **Dilution** | **1:100** | **1:320** | **1:40** | **1:80** | **1:200** | **1:100** | **1:4000** |
| **Epitope retrieval** | **pH 9, 20min, 100C🞆** | **pH 9, 20min,**  **100C🞆** | **pH 9, 30min, 95C🞆** | **pH 6, 20min,**  **100C🞆 blocking buffer** | **Enzyme 1, 5min** | **Enzyme 1, 5min** | **pH 9, 20min**  **95C🞆** |
| **Autostainer protocol** | **Hmix H2 (20) 100** | **Hmix H2 (20) 100** | **Hmix H2 (30) 95** | **notH H1 (20) 100** | **notH E1 (5)** | **Hmix E1 (5)** | **Hmix H2 (20) 95** |
| **Detection system** | **Bond Polymer Refine Red Detection (Leica Biosystems)** | | | | | | |
| **Counterstain** | **Hemalum** | | | | | | |