**Table S1.** Antibodies for FACS Analysis.

| Antibodies | Manufacturer | Surface, intracellular or nuclear staining |
| --- | --- | --- |
| PE-Cy7-anti-pYSTAT5(pY6494) | BD Pharmingen | Intracellular |
| APC-anti-pYSTAT5(pY694) | BD Pharmingen | Intracellular |
| Percp-anti-pYSTAT5(pY694) | BD Pharmingen | Intracellular |
| PE-anti-HumanCD2  | BD Pharmingen | Surface |
| PE-anti-CD24  | BD Pharmingen | Surface |
| APC-anti-CD44 | BD Pharmingen | Surface |
| PE-anti-Ki67 | eBioscience | Nuclear |
| APC-anti-BrdU | BD Pharmingen | Nuclear |