Myeloid-derived suppressor cell and macrophage exert distinct angiogenic and immunosuppressive effects in breast cancer

Supplementary Materials

Supplementary Figure 1: The gating strategies of multicolor flow cytometric analysis to determine tumor-infiltrating myeloid cell populations in spontaneous MMTV-PyVT breast tumor tissues.
Supplementary Figure 2: The gating strategies of multicolor flow cytometric analysis to determine tumor-infiltrating myeloid cell populations in orthotopically implanted MCaP0008 breast tumor tissues.
Supplementary Figure 3: The gating strategies of multicolor flow cytometric analysis to determine tumor-infiltrating myeloid cell populations in orthotopically inoculated EO771 breast tumor tissues.
**Supplementary Table 1: Primers used for Q-PCR analysis**

| Gene          | Primer     | Sequence (5’-3’)                           |
|---------------|------------|--------------------------------------------|
| β-actin       | Forward    | ATCGTGCGTGACATCAAAAGA                     |
|               | Reverse    | ACAGGATTCATACCCCAAGA                      |
| CCL17         | Forward    | TGCTTTCTGGGGACTTTCTTG                    |
|               | Reverse    | TGGCCTTCTTCACATGTTCG                    |
| CCL22         | Forward    | GTCCCTTTTGCTGTGGCAAT                  |
|               | Reverse    | ACGGTTATCAAAACAAGGCC                   |
| Arginase 1    | Forward    | CAACCAAGCTCTGGGAATCTG                   |
|               | Reverse    | AATCGGCCTTTTCTCTTTC                   |
| IL10          | Forward    | CCAGAGCCACATGCTCCTA                     |
|               | Reverse    | AGGGGAGAAATCAGATGACAG                 |
| MRC1          | Forward    | CCTGAAACAGCACTTGACA                     |
|               | Reverse    | GCAATGGCCCATAGAAAGC                     |
| TNFα          | Forward    | CCGATGGTTGTACCTTG TC                    |
|               | Reverse    | CGGACTCGGAAAGTCTA                       |
| IL1β          | Forward    | TGCCACCTTTTGACAGTGAT                   |
|               | Reverse    | TGTCCCTACCTGTGGAAAGTC                  |
| IL12a         | Forward    | GCCAGGTGTCTTAGGCAAGTC                   |
|               | Reverse    | AGCTCCCTTCTGTGAGAA                     |
| IFNγ          | Forward    | CCAAAGTCTTGAGTCAACAAACC                 |
|               | Reverse    | GGGAACATCTCTCCCACCC                     |
| iNOS          | Forward    | CCACCTCTATCAGGGAAAGAA                   |
|               | Reverse    | CTGCAACGAGATATGCTTA                    |
| CXCL9         | Forward    | AGTGTTGAGTTGACCAAGC                     |
|               | Reverse    | GAGTGGCGATCTAGGAG                     |
| CXCL10        | Forward    | TCATCCTGCTGGGTCTGAGT                   |
|               | Reverse    | CTCGTCGCAATATCAGCAAC                    |
| VEGFα         | Forward    | CAGACAGTAGGCCAGCC                       |
|               | Reverse    | CTGGGACACTGGCATGGG                     |
| PIGF          | Forward    | ATTCAGTCCTGTGGTCTGTC                    |
|               | Reverse    | GGTTCCTCTGTTCGCTC                     |
| CXCL12        | Forward    | ACACCTCATGCTGGCCCTT                    |
|               | Reverse    | TGAGCCATCTTTTGAAGCTTTTTC               |
| MMP9          | Forward    | CGTGCTGGAGATTTGACCTG                    |
|               | Reverse    | TTGGAAACTCAACAGCAGA                    |