Table S5 Molecular phenotypes of freshly isolated ECs from GBM and tumor peripheral tissue

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<th>Assigned phenotype</th>
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<th>Expressed genes typical of</th>
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| peripheral endothelial cell type I (Pe1) | cluster 1 | • Vascular integrity: KLF2[1]; TIMP3[2]  
• BBB Transporter: SLC2A1[3]; SLCO1A2[4]  
• BBB enriched genes: TSC22D1; DEGS2; NET1; SPARCL1; ATP10A; JUND[5] |
| tumor core endothelial cell type I (Co1) | cluster 2 | • Basement membrane remodeling: COL4A1[6]; COL4A2; LAMB1[7]; LAMC1[8]; LAMA4[9]; HSPG2[10]; PXDN, PLOD1; NID1; NID2[11]  
• Cell migration and cytoskeleton associated genes: MYO1B[12]; CD93[13, 14]; INSR[15]; SPARC[16]; RASGRP3[17];  
• Angiogenesis: KDR, PGF, ANGPT2, APLN[18]; NOX4[19]; PTP4A3[20]; FLT4[21]  
• Vascular remodeling: NOTCH4[22]; UNC5B[23]  
• Tip cell markers: COL4A1; PXDN; COL4A2; NID1; CD93; ANGPT2; LAMB1; MCAM; TCF4; LAMC1; LAMA4; MYO1B; SPARC; PGF; NOTCH4; SOX4; PLOD1; ITGA5; APLN[24] |
| tumor core endothelial cell type II (Co2) | cluster 3 | • Cytoskeleton organization: TMSB4X; ACTB; ACTG1; TMSB10; VIM [25]; PFN1[26]; MYL6; MARCKSL1; ARPC2;  
MYL12B; CFLI[27]  
• Ribosomal genes: RPLP1; RPS2; RPLP2; RPL39; RPS24; RPL41; RPL6; RPL13; RPL8; RPL35; RPLS8; RPS28; RPS12; RPS26; RPS6; RPL36; RPL10; RPL15; RPS4X; RPLP0  
• Tip cell markers: GAPDH; ACTG1; CFL1; VIM; FKBP1A; CALM1; MARCKSL1; GNG11[24] |
| peripheral endothelial cell type I (Pe1) | cluster 4 | • Inflammation and cytokine: CCL4; CCL4L2; CCL3L1; ACKR1[28]; CCL3[29]  
• MHC class II molecules: HLA-DRB1; HLA-DRA; HLA-DPA1; HLA-DPB1; HLA-DQB1 |
| tumor core endothelial cell type III (Co3) | cluster 5 | • Inflammation and cytokines: NR4A3; IL1B; IL1R1; ACKR1[28, 30, 31]  
• Immune cell recruitment: SELE; SELP; VCAM1[32] |
14. Langenkamp, E., et al., Elevated expression of the C-type lectin CD93 in the glioblastoma vasculature regulates cytoskeletal rearrangements that enhance...


28. Girbl, T., et al., *Distinct Compartimentalization of the Chemokines CXCL1 and CXCL2 and the Atypical Receptor ACKR1 Determine Discrete Stages of*


