

Supplemental Table 1

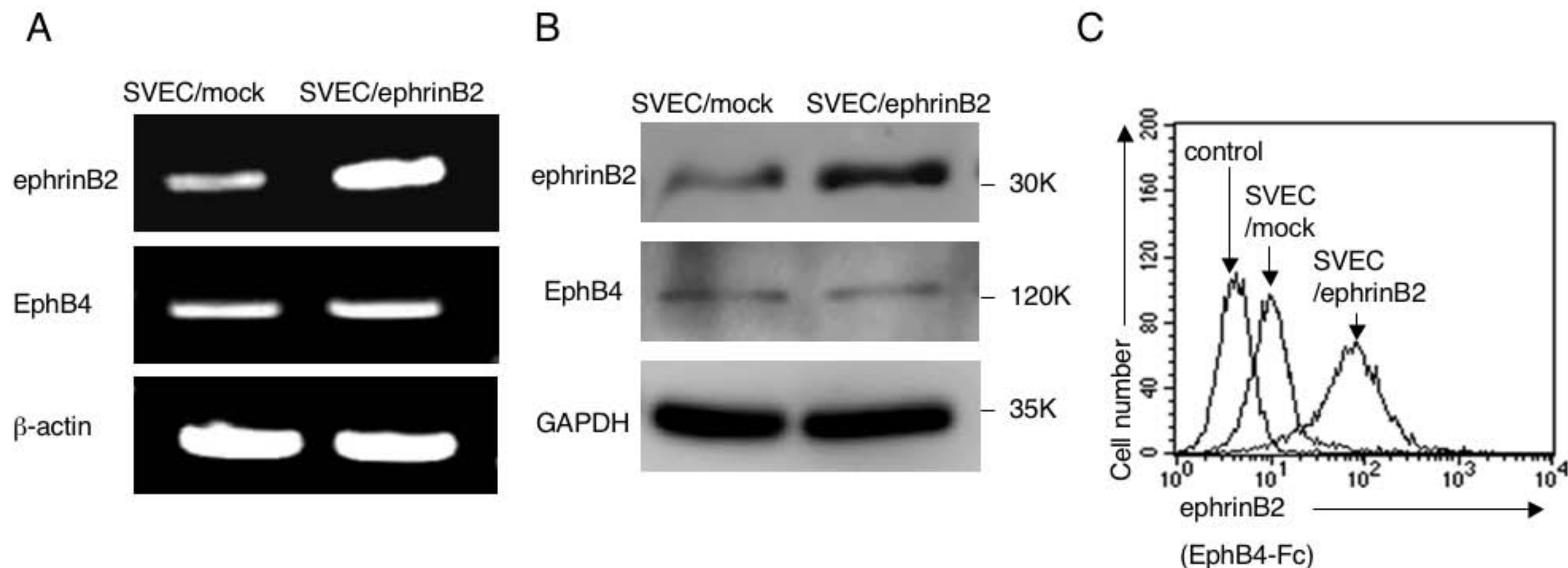
Expression of EphB4 and ephrinB2 in tumor cell lines

	EphB4	ephrinB2
Mouse (clone/tumor type)		
B16 /melanoma	+	-
M3 /melanoma	++	+
Colon26/colon	+	+
LLC/lung	+	+
MM102-TC/mammary gland	++	+
Human (clone/tumor type)		
AZ521/stomach	++	+
HGC27/stomach	++	+
COLO320/colon	++	++
HCT116/colon	++	++
SW837/colon	++	++
MCF7/mammary gland	++	+

Expression of EphB4 and ephrinB2 was observed by RT-PCR.

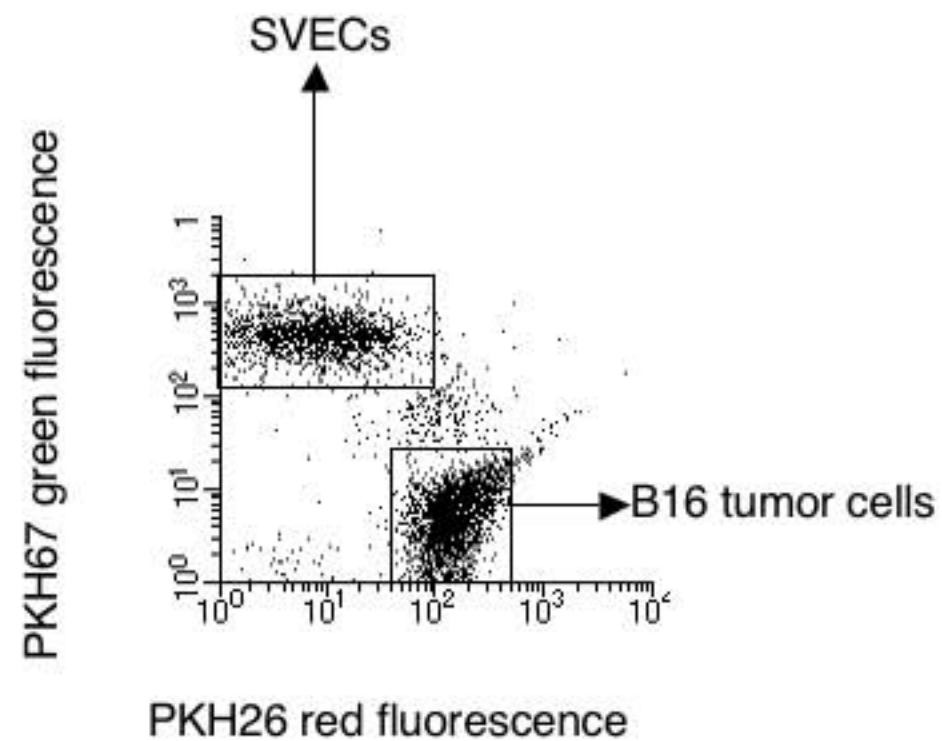
-: negative, +: positive, ++:strongly positive

B16 (mouse melanoma), Colon26 (mouse colon cancer), and Lewis lung carcinoma (LLC; mouse lung cancer), HGC27 (human gastric cancer), SW837 (human colon cancer), and MCF7 (human mammary gland cancer) cells were cultured in DMEM supplemented with 10% fetal calf serum (FCS). M3 (mouse melanoma), MM102-TC (mouse mammary gland cancer), COLO320 and HCT116 (human colon cancer) cells were cultured in RPMI supplemented with 10% FCS. AZ521 (human gastric cancers) cells were cultured in α MEM supplemented with 10% FCS.



Supplemental Figure 1 Induction of ephrinB2 in SVEC endothelial cell line.

(A) RT-PCR analysis of ephrinB2 and EphB4 expression in SVEC cells stably transduced with ephrinB2 expression vector (SVEC/ephrinB2) or mock vector (SVEC/mock). β -actin was used as the internal control. (B) Western blotting analysis of ephrinB2 and EphB4 protein in SVEC/mock and SVEC/ephrinB2. EphrinB2 was detected by EphB4-Fc chimeric protein and EphB4 was detected by mAb against EphB4 (VEB4-7E4). GAPDH was used as the internal control. (C) FACS analysis of ephrinB2 expression on SVEC/mock and SVEC/ephrinB2 cells as indicated. EphrinB2 was detected by EphB4-Fc chimeric protein.



Supplemental Figure 2 Identification of SVECs and B16 tumor cells by FACS.

B16/mock or B16/EphB4 tumor cells were pre-labeled with PKH26 Red Fluorescent Cell Linker. SVEC/ephrinB2 cells were pre-labeled with PKH67 Green Fluorescent Cell Linker. Co-cultured cells were harvested from culture plates and analyzed by flow cytometry. Cells discriminated by either red or green fluorescence are displayed.