

**Supplementary Table 1**

Antibodies utilized in this study.

<b>Antibody</b>	<b>Source</b>	<b>Catalog#</b>	<b>Dilution</b>
anti-BrdU	Abcam	ab125306	kit
$\alpha$ SMA	Thermo Scientific	RB-9010-P1	1:100
$\alpha$ SMA	Abcam	ab112022	1:100
collagen IV	Cosmo Bio Co.,LTD.	LSL-LB-1403	1:1000
desmin	Thermo Scientific	RB-9014-P1	1:100
endomucin	Santa Cruz Biotechnology	65495	1:100
NG2	Millipore	AB5320	1:50
Hes	Sigma-Aldrich	SAB1410659	1:300
Hey1	Chemicon	AB5714	1:500
CD54 (ICAM-1)	BioLegend	116102	1:100
goat anti-human IgG(Fc)	Thermo Scientific	a31413	1:250
Alexa Fluor 555 goat anti-rat IgG	Life Technologies	A-21434	1:200
Alexa Fluor 555 goat anti-rabbit IgG	Life Technologies	A-21428	1:200