

**Supplementary Table S1.** **A.** List of antibodies used in the study; **B.** Clinical characteristics of the patients from whom CAF-MSC and BM-MSC were isolated.

**Supplementary Table A. List of antibodies used in this study.**

Application	Antigen recognize	Type	Reactivity	Host	Fluorochrome	Clone	Catalog Number	Dilution	Vendor
Flow cytometry	<b>αFAP</b>	Primary	Human	Mouse	none	F11-24	BMS168	1:100	eBioscience
	<b>IgG (H+L)</b>	Secondary	Mouse	Goat	Alexa Fluor 647	Polyclonal	A21236	1:1000	Invitrogen
	<b>CD14</b>	Primary	Human	Mouse	PerCP-Cy5.5	M5E2	550787	1:100	BD Biosciences
	<b>CD19</b>	Primary	Human	Mouse	PE-Cy7	HIB19	302216	1:100	BioLegend
	<b>CD31</b>	Primary	Human	Mouse	PE	WM59	555446	1:100	BD Biosciences
	<b>CD34</b>	Primary	Human	Mouse	PerCP-Cy5.5	581	343612	1:100	BioLegend
	<b>CD45</b>	Primary	Human	Mouse	APC CY7	2D1	557833	1:100	BioLegend
	<b>CD73</b>	Primary	Human	Mouse	FITC	AD2	561254	1:100	BD Biosciences
	<b>CD90</b>	Primary	Human	Mouse	BV421	5E10	328122	1:100	BioLegend
	<b>CD105</b>	Primary	Human	Mouse	PE	SN6	12-1057-41	1:100	eBioscience
	<b>HLADR</b>	Primary	Human	Mouse	Pacific Blue	LN3	327016	1:100	BioLegend
	<b>VEGFR2</b>	Primary	Human	Mouse	APC	7D4-6	359916	1:100	BioLegend
	<b>GD2</b>	Primary	Human	Mouse	BUV395	14G2a	564224	1:50	BD Horizon
	<b>STAT3</b> p-Tyr705	Primary	Human	Mouse	PE	AD2	612569	1:100	BD Biosciences
<b>ERK1/2</b> p-Thr202/Tyr204	Primary	Human	Rabbit	Alexa Fluor 647	197G2	13148	1:50	Cell Signaling	
Immuno-fluorescence	<b>αFAP</b>	Primary	Human	Mouse	none	F11-24	BMS168	1:200	eBioscience
	<b>FSP-1</b>	Primary	Human	Mouse	none	1CA	NBP2-36431	1:200	NovusBio
	<b>Vimentin</b>	Primary	Human	Rabbit	none	EPR3776	92547	1:200	Abcam
	<b>αSMA</b>	Primary	Human	Mouse	none	1A4	7817	1:200	Abcam
	<b>Phalloidin</b>	Primary	Human	none	Alexa Fluor 568	none	12380	1:5000	LifeTechnologies
	<b>IgG (H+L)</b>	Secondary	Mouse	Donkey	Alexa Fluor 488	Polyclonal	A21202	1:1000	Invitrogen
	<b>IgG (H+L)</b>	Secondary	Rabbit	Goat	Alexa Fluor 488	Polyclonal	A11070	1:1000	Invitrogen

<b>Immuno-histochemistry</b>	<b>αFAP</b>	Primary	Human	Rabbit	none	Polyclonal	110779	1:300	Abcam
	<b>FSP-1</b>	Primary	Human	Mouse	none	1C4	NBP2-36431	1:500	Novus Bio.
	<b>FSP-1</b>	Primary	Mouse	Rabbit	none	EPR14639	197896	1:250	Abcam Vector Laboratories
	<b>Ki-67</b>	Primary	Human	Rabbit	none	SP6	VP-RM04	1:200	Abcam Vector Laboratories
	<b>IgG (H+L)</b>	Secondary	Goat	Rabbit	Polymer-HRP	Polyclonal	DS9800	1:1	Leica
	<b>IgG (H+L)</b>	Secondary	Rabbit	Mouse	Polymer-HRP	Polyclonal	DS9800	1:1	Leica
	<b>IgG (H+L)</b>	Secondary	Mouse	Donkey	Alexa Fluor 488	Polyclonal	A21202	1:1000	Invitrogen
	<b>IgG (H+L)</b>	Secondary	Rabbit	Goat	Alexa Fluor 594	Polyclonal	A11012	1:1000	Invitrogen
<b>Western blot</b>	<b>p-STAT3</b> pTyr705	Primary	Human	Rabbit	none	Polyclonal	9131	1:100	Cell Signaling
	<b>p-ERK1/2</b> p-Thr202/Tyr204	Primary	Human	Rabbit	none	Polyclonal	9101	1:100	Cell Signaling
	<b>STAT-3</b>	Primary	Human	Mouse	none	79D7	4904	1:100	Cell Signaling
	<b>ERK1/2</b>	Primary	Human	Mouse	none	Polyclonal	9102	1:100	Cell Signaling
	<b>Caspase-3</b>	Primary	Human	Robbit	none	8G10	9665	1:100	Cell Signaling
	<b>β-Actin</b>	Primary	Human	Rabbit	none	Polyclonal	A2066	1:500	Sigma-Aldrich
	<b>Tubulin</b>	Primary	Human	Mouse	none	TUB2.1	T4026	1:500	Sigma-Aldrich

**Supplementary Table B. Clinical characteristics of patients from which CAF-MSC and BM-MSC were isolated.**

<b>Sample ID</b>	<b>Source of MSC</b>	<b>Clinical stage</b>	<b>Histology</b>	<b>Pathology</b>	<b><i>MYCN</i>-status*</b>	<b>Treatment</b>	<b>Successful in vitro propagation</b>
<b>4207-5</b>	Tumor	4	Unfavorable	Poorly differentiated	NA	Post-chemo	Yes
<b>4240-5</b>	Tumor	4	Unfavorable	Poorly differentiated	A	Post-chemo	No
<b>4263-5</b>	Tumor	4	Unfavorable	Undifferentiated	A	Post-chemo	Yes
<b>4307-5</b>	Tumor	2b	Unfavorable	Poorly differentiated	A	Post-chemo	No
<b>4299-5</b>	Tumor	4	Unfavorable	Poorly differentiated	A	Post-chemo	No
<b>4309-5</b>	Tumor	4	Unfavorable	Poorly differentiated	NA	Post-chemo	Yes
<b>14-0666</b>	Bone Marrow	3	Unfavorable	Undifferentiated	A	Post-chemo	Yes
<b>14-0686</b>	Bone Marrow	4	Unfavorable	Poorly differentiated	NA	Post-chemo	Yes
<b>15-0298</b>	Bone Marrow	4	Unfavorable	Poorly differentiated	A	Post-chemo	No
<b>15-0410</b>	Bone Marrow	4	Not done at diagnosis	Poorly differentiated	A	Post-chemo	Yes
<b>15-0652</b>	Bone Marrow	4	Unfavorable	Poorly differentiated	A	Post-chemo	Yes

\* NA: Not Amplified; A: Amplified