

Figure S1. Coculture of AM and HS-5 cells does not trigger TNF- α protein production. Protein levels of TNF- α in the serum-free culture media from AM cells (hTERT-AM cells and pAM cells), HS-5 cells or direct or TW co-cultures measured by ELISA. pAM, primary AM cells; TW, transwell; TNF, tumor necrosis factor.

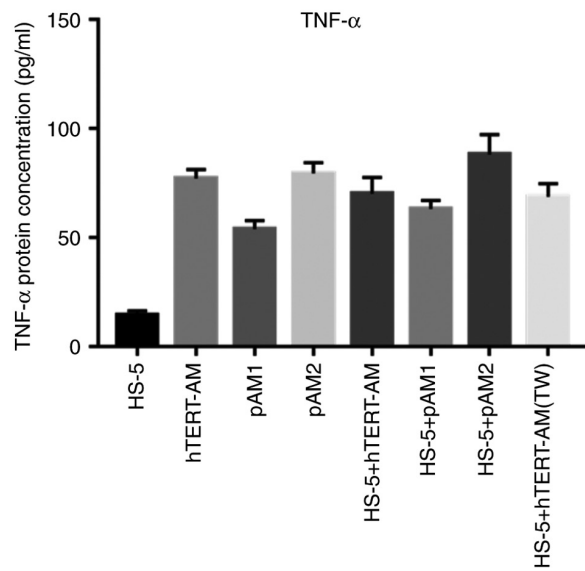


Table SI. Clinical characteristics of patients with ameloblastoma included in the present study.

No.	Sex	Age, years	Tumor location	Pathological type
1	Female	24	The right molar portion of the mandible	Follicular type
2	Male	27	Bilateral mandibular bodies	Plexiform type
3	Male	29	The right molar portion of the mandible	Follicular type
4	Female	23	The left molar portion of the mandible	Plexiform type

Table SII. Primers used in the present study.

	Forward primer (5'-3')	Reverse primer (5'-3')
hM-CSF	GCTGTTGTTGGTCTGTCT	GGTGTCTCTCCATTATGTCTT
hGADPH	CCATCACTGCCACCCAGAAGAC	GTGTGCGCTGTTGAAGTCAGAGGAGA
hIL-6	CCACACAGACAGCCACTCA	GCTTGTTCCCTCACTACTCTCAAATC
hIL-8	ACTGAGAGTGATTGAGAGTGGAC	AACCCTCTGCACCCAGTTTTTC
hIL-1A	AGATGCCTGAGATACCCAAAACC	CCAAGCACACCCAGTAGTCT
hIL1B	AGCTACGAATCTCCGACCAC	CGTTATCCCATGTGTCTGAAGAA
hTNF- α	CCTCTCTCTAATCAGCCCTCTG	GAGGACCTGGGAGTAGATGAG
hRANKL	CACAGCACATCAGAGCAGAG	TACCAAGAGGACAGACTCACTT
hOPG	GACCACTACTACACAGACAG	TGAGTTAGCAGGAGACCAA
mDC-STAMP	GCCTTGCCACTCCGCTGAAT	CGCTGTTGGTGCCTCTCCTT
mTRAP	CAGCAGCCAAGGAGGACTAC	GCTAACAATGGTCGCAAGTTCT
mNFATc-1	GCAAGCATCACGGAGGAGA	GCCAGGTATCTTCGGTCACA
mIntegrin β 3	TCAACACCATCTCTTACCTCCT	AGCCTCAGCACATAGCATCT
mCathepsin K	AGTTGACTTCCGCAATCCTTAC	CATCCTGCTGTTGAGAATCTGT
mPU.1	TACCTTCCAGTTCTCGTCCAA	TTCTTCACCTCGCCTGTCTT
mMITF	GGCACCTTCCTCCTAAGACA	CACATTCTGGCTGGCACAA
hINH β A	TCACCATCCGCCTCTTCCA	AGCAACAGTTCACTCCTCTCC

h, homo; m, mus musculus.

Table SIII. Raw data of cytokine array.

entrezID	ProteinID	HS-5 1	HS-5 2	HS-5 3	hTERT-AM 1	hTERT-AM 3	hTERT-AM 3	HS-5/hTERT-AM 1	HS-5/hTERT-AM 2	HS-5/hTERT-AM 3
3624	Activin A	6570.747	3725.873	3525.476	610.3283	727.3879	135.7743	60704.19	28317.49	58964.93
2246	aFGF	1204.645	1282.346	936.2966	1104.315	834.1126	1087.45	753.2189	835.0929	654.1584
374	AR	451.4445	392.4336	484.421	369.5627	438.757	389.7406	1040.621	1174.134	1215.199
2247	bFGF	526.6017	248.9377	481.8362	745.6182	786.0865	472.9076	681.3393	779.5105	565.1192
652	BMP-4	538.1258	564.0737	339.9054	525.9212	261.594	377.0423	328.3591	332.1392	325.739
2658	BMP-9	596.6232	262.9437	375.7406	693.2779	316.3794	612.8681	398.8385	421.7367	79.94881
6401	E-Selectin	812.4498	531.437	240.7418	742.3055	635.9605	678.5923	532.6792	348.0376	127.1489
3383	ICAM-1	546.5184	369.0461	378.4429	1531.254	1040.21	1656.781	666.2866	620.0343	776.9952
3479	IGF-1	1569.408	2257.88	1655.467	2026.168	1299.907	1920.515	762.7873	1475.709	1498.982
3552	IL-1a	780.508	765.8401	553.7415	644.3827	757.508	736.3627	707.0106	670.1941	509.2949
3553	IL-1b	550.151	219.8685	303.4828	355.1194	280.6859	372.5769	332.6766	333.7414	298.1182
3569	IL-6	296067.9	349861.4	216285.3	359678.7	278761.3	227017.3	189764.5	169160.2	154188.5
3576	IL-8	1317.423	1306.791	1718.561	278632.4	200928.5	237085.9	253859.9	238114.4	239658.7
3589	IL-11	1661.226	1558.767	1423.42	1466.458	1261.248	1571.102	1571.433	1781.721	1545.949
3605	IL-17	985.3114	786.4527	673.1137	823.93	656.8311	769.4341	675.2716	675.3703	557.8935
6347	MCP-1	39822.31	40953.15	30547.19	291320.2	223980	249509.6	228758.1	243475.3	215429.5
1435	MCSF	1143.142	799.0053	722.4605	625.0366	357.7648	499.5601	703.0432	902.8765	601.2477
6348	MIP-1a	725.8937	218.1508	442.1238	737.8003	409.1112	480.0242	545.5149	587.375	482.1403
4313	MMP-2	562.9277	556.1458	544.9296	2971.607	1449.084	2760.139	2707.154	1778.516	1814.349
4318	MMP-9	460.3381	212.9976	432.9593	325.8353	353.6144	419.0444	417.1584	336.576	288.9112
4322	MMP-13	713.7433	206.7874	338.0255	737.1378	423.104	572.1219	563.3681	396.5952	401.026
10457	Osteoactivin	2587.664	2436.127	1678.848	2777.087	1351.846	2509.94	1927.914	2233.159	2310.707
1001	P-Cadherin	462.217	304.3012	333.4433	323.3177	324.5616	348.2966	403.3893	334.9738	221.1995
8792	RANK	838.7548	492.1936	441.4188	790.5382	526.9827	756.4567	580.7545	513.1829	566.4012
6387	SDF-1a	550.5268	326.6316	300.5455	257.3291	204.9114	199.824	354.0304	297.2615	243.9255
6469	Shh-N	365.64	223.304	197.3872	154.2384	195.5433	243.5006	208.2875	227.1364	183.0898
7040	TGFb1	2708.416	3466.893	6227.213	4740.844	3856.555	4196.863	4325.962	5333.084	5268.813
7042	TGFb2	32712.94	37298.76	20163.1	807.4991	503.2661	734.5487	15696.36	11405.87	9294.574
7124	TNFa	1322.016	1134.358	1163.762	5377.011	3272.653	4690.841	5321.891	8524.702	4515.243
7412	VCAM-1	628.9408	259.3761	228.6401	326.7628	337.1314	501.7927	304.0881	384.8871	274.1102
1003	VE-Cadherin	731.28	311.5685	243.6792	251.8963	328.2377	572.9591	315.8735	167.2404	271.5463