

Table S1. Expression MAGE-C1 and MAGE-C2 (mean value \pm standard deviation, SD) in relation to clinicohistopathological parameters of patients with hepatocellular carcinoma (p values were obtained using the Mann-Whitney U test).

	Total sample	MAGE-C1	P Value	MAGE-C2	P Value
Sex			0.001		<0.001
Female	17 (29.8)	2.53 \pm 0.80		1.35 \pm 0.78	
Male	40 (70.2)	1.68 \pm 1.02		0.43 \pm 0.74	
Age			0.135		0.104
<70 years	23 (40.4)	1.52 \pm 1.38		0.96 \pm 0.98	
\geq 70 years	34 (59.6)	2.21 \pm 0.59		0.53 \pm 0.75	
HBV or HCV			0.008		<0.001
Negative	45 (78.9)	1.78 \pm 1.00		0.44 \pm 0.69	
Positive	12 (21.1)	2.50 \pm 1.00		1.67 \pm 0.78	
Grade			0.001		<0.001
G1/G2	34 (59.6)	1.59 \pm 1.05		0.35 \pm 0.73	
G3	23 (40.4)	2.43 \pm 0.79		1.22 \pm 0.80	
Lymph Node Invasion			0.001		<0.001
No	18 (31.6)	1.22 \pm 1.11		0.11 \pm 3.23	
Yes	39 (68.4)	2.26 \pm 0.82		0.97 \pm 0.90	
Nodules			<0.001		<0.001
1	26 (45.6)	1.46 \pm 0.95		0.15 \pm 4.64	
2	31 (54.5)	2.32 \pm 0.95		1.16 \pm 0.86	
AFP			<0.001		<0.001
Low	25 (43.9)	1.28 \pm 1.02		0.08 \pm 0.28	
High	32 (56.1)	2.44 \pm 0.72		1.19 \pm 0.86	
Cirrhosis			0.064		0.002
No	43 (75.4)	1.79 \pm 1.06		0.51 \pm 0.83	
Yes	14 (24.6)	2.36 \pm 0.84		1.29 \pm 0.73	
Surgery			0.039		0.094
No	12 (21.1)	2.50 \pm 0.52		1.00 \pm 0.74	

Yes	45 (78.9)	1.78 ± 1.09		0.62 ± 0.89	
Status			0.008		0.008
Alive	16 (28.1)	1.31 ± 1.14		0.25 ± 0.68	
Dead	41 (71.9)	2.17 ± 0.89		0.88 ± 0.87	

Table S2. Positive (≥30%) expression of MAGE-C1 and MAGE-C2 in relation to clinicohistopathological parameters of patients with hepatocellular carcinoma (p values were obtained using the chi-square test).

		MAGE-C1			MAGE-C2	
	Positive (+)	OR (95% CI)	P Value		Positive (+)	P Value
Sex			0.429			<0.001
Female	14 (82.4)	Ref.		14 (82.4)	Ref.	
Male	29 (72.5)	0.56 (0.136–2.35)		11 (27.5)	0.08 (0.02–0.34)	
Age			0.001			0,298
<70 years	12 (52.2)	Ref.		12 (52.2)	Ref.	
≥70 years	31 (91.2)	9.47 (2.24–39.98)		13 (38.2)	0.57 (0.19–1.66)	
HBV or HCV			0.026			<0.001
Negative	31 (68.9)	-		14 (31.1)	Ref.	
Positive	12 (100.0)	-		11 (91.7)	24.35 (2.86 – 207.48)	
Grade			0.022			<0.001
G1/G2	22 (64.7)	Ref.		7 (20.6)	Ref.	
G3	21(91.3)	5.72 (1.14–28.70)		18 (78.3)	13.89 (3.81–50.61)	
Lymph Node Invasion			0.002			0.001
No	9 (50.0)	Ref.		2 (11.1)	Ref.	
Yes	34 (87.2)	6.80 (1.82-25.38)		23 (59.0)	11.50 (2.31-57.10)	
Nodules			0.026			<0.001
1	16 (61.5)	Ref.		3 (11.5)	Ref.	
2	27 (87.1)	4.21 (1.13-15.70)		22 (71.0)	18.74 (4.48-78.42)	
AFP			<0.001			<0.001
Low	13 (52.0)	Ref.		2 (8.0)	Ref.	
High	30 (93.8)	13.84 (2.70-70.83)		23 (71.9)	29.38 (5.71-151.13)	
Cirrhosis			0.081			<0.001
No	30 (69.8)	Ref.		13 (30.2)	Ref.	
Yes	13 (92.9)	5.63 (0.66-47.67)		12 (85.7)	13.84 (2.70-70.83)	
Surgery			0.026			0.014
No	12 (100.0)	-		9 (75.0)	Ref.	
Yes	31 (68.9)	-		16 (35.6)	0.18 (0.04-0.78)	
Status			0.036			0.003
Alive	9 (56.3)	Ref.		2 (12.5)	Ref.	
Dead	34 (82.9)	3.78 (1.05-13.58)		23 (56.1)	8.94 (1.80 – 44.52)	

Table S3. Overall survival (OS) of patients with hepatocellular carcinoma in relation to the expression of MAGE-C1 and MAGE-C2.

	MAGE-C1 expression		MAGE-C2 expression		MAGE-C1 and MAGE-C2 co-expression		
	Negative (-)	Positive (+)	Negative (-)	Positive (+)	None (+)	One (+)	Both (+)
Number of patients	14	43	32	25	14	18	25
Survival rates							
6-month survival (%)	92.86±6.88	45.07±7.76	74.04±7.92	36.00±9.60	92.86±6.88	58.33±12.19	36.00±9.60
1-year survival (%)	54.17±13.81	10.91±6.48	36.90±9.76	6.75±5.96	54.17±13.81	16.20±13.30	6.75±5.96
Survival Time (months)							
Mean ± SE	12.42±1.04	6.56±0.72	10.31±0.87	5.38±0.81	12.42±1.04	7.55±0.76	5.38±0.81
95% CI	10.38-14.46	5.16-7.96	8.60-12.02	3.79-6.96	10.38-14.46	6.06-9.05	3.79-6.96
Median (95% CI)	14	5 (3.5-6.5)	10 (8-12)	5 (3.6-6.3)	14	8 (4.6-11.4)	5 (3.6-6.3)
Mortality (%)	7 (50.0%)	34 (79.1%)	18 (56.2%)	23 (92.0%)	7 (50.0%)	11 (61.1%)	23 (92.0%)
Hazard ratio (95% CI)							
Crude	4.05 (1.72-9.55)		3.23 (1.70-6.10)		Ref.	2.65 (1.00-7.08)	5.40 (2.23-13.08)
Adjusted	7.44 (1.96-28.27)		22.90 (6.67-78.60)		Ref.	1.66 (0.35-7.79)	29.82 (6.65-133.80)
P value (Log Rank test)	0.0003		0.0001			0.015 vs None (+)	<0.001 vs None (+)
							0.037 vs One (+)

Hazard ratio

p=0.001, p=0.003

p<0.001, p<0.001

p=0.053/p<0.001, p=0.519/p<0