Antibody Concentration (μg/ml)		PMEDSAH Colonies	PMEDSAH EBs	MATRIGEL Colonies	MATRIGEL EBs
Anti-Integrin β1	0	100% (51/51)	0% (0/51)	100% (93/93)	0% (0/93)
	10	0% (0/47)	100% (47/47)	0% (0/98)	100% (98/98)
Anti-Integrin α6	0	0% (0/65)	100% (65/65)	100% (42/42)	0% (0/42)
	10	100% (39/39)	0% (0/39)	0% (0/48)	100% (48/48)

Supplemental Table I. Effect on colony formation of human embryonic stem cells (hESC) treated with integrin blocking antibodies. Clusters of hESCs were incubated with blocking antibodies for integrin β1 and integrin α6 during passages to new PMEDSAH-grafted plates and Matrigel-coated plates. Twenty-four h later colony or embryoid body formation was quantified, and percentages were calculated.

Quantitative Real-time PCR

Gene	Forward primer sequence	Reverse primer sequence	Product size (BP)
ITGA1	GGTTACCCTGTGCTGTACCCAA	TGCCTCGTTTGAGATGGTCA	136
ITGA2	TCTGAGACTGCCAAGGTCTTCA	CAGCTGGTATTTGTCGGACATC	103
ITGA3	GAACCCCTTCAAACGGAACC	ACCTCAAAGGCGATGAGCAG	51
ITGA5	AGATCCTGAAATGCCCGGA	CAGACTCGGAAATGCAACTGC	103
ITGA6	GTTTGATAACGATGCTGACCCC	TGAGCACATGTCACGACCTTG	105
ITGA7	AACCTGGAAGAACCCAAGCAC	TGACATTTTCCTGGAGCTGGA	103
ITGAV	TGACATTTTCCTGGAGCTGGA	TCTCTGACTGCTGGTGCACACT	104
ITGB1	ATGCCATCATGCAAGTTGCA	CCCATCTCCAGCAAAGTGAAAC	106
ITGB5	ACCAAGAGAGATTGCGTCGAGT	CAGCCTCCTGGTCATCTTTCA	130
β-Actin	GCCGAGGACTTTGATTGC	GTGTGGACTTGGGAGAGG	143

Reverse Transcription PCR

Gene	Forward primer sequence	Reverse primer sequence	Product size (BP)
ITGB1-B	ACTT ATGT ATTA GCTG TCAG	CATT GAAT AGCT TGCT ACAC	20
β-Actin	ATCTGGCACCACACCTTCTACAATGAGCTGCG	CGTCATACTCCTGCTTGCTGATCCACATCTGC	835

Supplemental Table II. Oligonucleotides sequences of primers used for Quantitative Real-time PCR and Reverse Transcription PCR.