

Online Supplementary Tables

Supplementary Table 1. Details of antibodies used in this study

Gene	Cat.#	Company	Used
SSEA4	ASA-0150	Applied Stem Cell	IF
OCT3/4	SC-5279	Santa cruz	IF,WB
SOX2	SC-365964	Santa cruz	IF,WB
NANOG	SC-293121	Santa cruz	IF,WB
OCT3/4	130-105-080	Miltenyi Biotec	FACS
SOX2	130-104-993	Miltenyi Biotec	FACS
NANOG	130-109-764	Miltenyi Biotec	FACS
H3	9715	cell signalling	WB
VECAD	SC-8399	Santa cruz	IF
AFP	SC-8399	Santa cruz	WB
NESTIN	MAB1259	R&D System	WB
ACTIN	SC-1616	Santa cruz	WB
CD73	NBP2-48480SS	Novus Biologicals	IF
CD90	NBP2-66763	Novus Biologicals	IF,WB
CD105	NBAF1097	Novus Biologicals	IF
CD73	SC-32299	Santa cruz	WB
CD73-APC	130-112-061	Miltenyi Biotec	FACS
CD90-PE	130-117-537	Miltenyi Biotec	FACS
CD105-FITC	130-112-327	Miltenyi Biotec	FACS
CD34-FITC	11-034182	eBioscience	FACS
CD45-PE	561087	BD Bioscience	FACS
IgG_APC	405308	Biologends	FACS
IgG_FITC	405305	Biologends	FACS
IgG_PE	405307	Biologends	FACS
CK19	ab52625	abcam	IF
ZO1	SC-8147	Santa cruz	IF

Supplementary Table 2. SYBR Green Primer list		
Gene	Forward	Reverse
18S rRNA	5' -CTACCACATCCAAGGAAGCA- 3'	5' -TTTTTCGTCACCTCCCCG- 3'
OCT3/4	5' -ACCCCTGGTGCCGTGAA- 3'	5' -GGCTGAATACCTTCCCAAATA- 3'
SOX2	5' -CAGCGCATGGACAGTTAC- 3'	5' -GGAGTGGGAGGAAGAGGT- 3'
NANOG	5' -AAAGGCAAACAACCCACT- 3'	5' -GCTATTCTTCGGCCAGTT- 3'
VECAD	5' -CCTGATGCGGCTAGGCATA- 3'	5' -GGAAGAACTGGCCCTTGTC- 3'
CD31	5' -TGTATTTCAAGACCTCTGTGCACTT- 3'	5' -TTAGCCTGAGGAATTGCTGTGTT- 3'
CD73	5' -CAGTACCAGGGCACTATCTGG- 3'	5' -AGTGGCCCCTTTGCTTTAAT- 3'
CD90	5' -ATGAACCTGGCCATCAGCA- 3'	5' -GTGTGCTCAGGCACCCC- 3'
CD105	5' -CCACTAGCCAGGTCTCGAAG- 3'	5' -GATGCAGGAAGACACTGCTG- 3'
CD34	5' -TCTTGGGCATCACTGGCTATT - 3'	5' -GCCCAGCCTTTCTCCTGTG- 3'
CD45	5' -TGGTAAAAGCTCTACGCAAAGCT- 3'	5' -AGGGTAGGTGCTGGCAATGA- 3'
OSTEOCALCIN	5' -ATGAGAGCCCTCACACTCCTC- 3'	5' -GCCGTAGAAGCGCCGATAGGC- 3'
COL2	5' -GGCAATAGCAGGTTACGTACA- 3'	5' -CGATAACAGTCTTGCCCCACTT- 3'
ADIPONECTIN	5' -AAGGAGATCCAGGTCTTATTGG- 3'	5' -ACCTTCAGCCCCGGGTAC- 3'
TSG6	5' -TCACCTACGCAGAAGCTAAGGC- 3'	5' -TCCAACCTCTGCCCTTAGCCATC- 3'
IL11	5' -GGACCACAACCTGGATTCCCTG- 3'	5' -AGTAGGTCCGCTCGCAGCCTT- 3'
TGF-β	5' -GCAGCACGTGGAGCTGTA- 3'	5' -CAGCCGTTGCTGAGGTA- 3'
IL6	5' -AGACAGCCACTCACCTCTTCAG- 3'	5' -TTCTGCCAGTGCCTCTTTGCTG- 3'
IL1β	5' -TGAGCTCGCCAGTGAAATGA- 3'	5' -AGATTCGTAGCTGGATGCCG- 3'
TNFα	5' -CAGCCTCTTCTCCTTCCTGAT- 3'	5' -GCCAGAGGGCTGATTAGAGA- 3'

Supplementary Table: 3 MSC taqman Primer list	
Gene	Primer_ID
18s	Hs03928985_g1
APOA1	Hs01040607_m1
AFP	Hs01040607_m1
MAP2	Hs00258900_m1
OLIG2	Hs00300164_s1

Table 3