
Abbreviations

α	Alpha, determines the cell-matrix interaction (ECIS)
αE	Alpha-extended fibrinogen
αC -domains	Domain of COOH-termini of two alpha-chains
γ'	Gamma' fibrinogen ($\gamma'/\gamma A$ and γ'/γ')
γA	Gamma A fibrinogen ($\gamma A/\gamma A$)
γC -domain	Domain of COOH-termini of one gamma-chain
3D	3-dimensional
ADPN	Adiponectin
ALP	Alkaline phosphatase
ANOVA	Analysis of variance
ASC	Adipose tissue-derived mesenchymal stem cells
BM-MSC	Bone marrow-derived mesenchymal stem cells
BSA	Bovine serum albumin
cDNA	Complementary DNA
CHO-cells	Chinese hamster ovary cells
COL2A1	Collagen type 2A1
DAPT	γ -secretase inhibitor IX
DLL4	Delta like ligand 4
DMEM	Dulbecco's modified eagle medium
ECGF	Endothelial cell growth factor
ECIS	Electric cell substrate impedance sensing
ECM	Extracellular matrix
ELISA	Enzyme linked immunosorbent assay
FAK	Focal adhesion kinase
Fb	Fibrin
Fbg	Fibrinogen
FCS	Fetal calf serum
FDP	Fibrin(ogen) degradation products
FXIII	Factor XIII
FGF-2	Fibroblast growth factor 2
GSEA	Gene set enrichment analysis
HMW	High molecular weight fibrinogen
HMVEC	Human microvascular endothelial cells
HSA	Human serum albumin
HSi	Heat-inactivated human serum
HUVEC	Human umbilical vein endothelial cells
kDa	Kilo dalton
LMW	Low molecular weight fibrinogen
LMW'	Low molecular weight' fibrinogen
LPL	Lipoprotein lipase
M199	Medium 199
MAPK	Mitogen activated protein kinase

MLC	Myosin light chain
MMP	Matrix metalloproteinase
mRNA	Messenger RNA
MT-MMP	Membrane-type matrix metalloproteinase
NBCSi	Heat-inactivated newborn calf serum
OPN	Osteopontin
pFbg	Plasma-purified fibrinogen
P/S	Penicillin/streptomycin
PAI	Plasminogen activator inhibitor
PBS	Phosphate buffered saline
PI3K	Phosphoinositide-3 kinase
PTFE	Poly-tetra-fluoroethylene
Rb	Determines the cell-cell interaction (ECIS)
recFbg	Recombinant fibrinogen
RGD	Arginine-glycine-aspartic acid
SEM	Scanning electron microscopy
siRNA	small interfering RNA
TEER	Transendothelial electrical resistance
TNF α	Tumor necrosis factor alpha
Unfr	Unfractionated fibrinogen
tPA	Tissue-type plasminogen activator
QPCR	Quantitative real-time polymerase chain reaction
uPA	Urokinase-type plasminogen activator
uPAR	Urokinase-type plasminogen activator receptor
VE-cadherin	Vascular endothelial cadherin
VEGF	Vascular endothelial growth factor
VEGFR	Vascular endothelial growth factor receptor