

## Abkürzungsverzeichnis

$\alpha$	Alpha
ACE	Angiotensin Converting Enzym
aFGF	acidic Fibroblast Growth Factor
AcLDL	acetyliertes Low-Density Lipoprotein
AGM-Region	Aorta-Gonaden-Mesonephros-Region
Ang	Angiopoietin
Anxa 5	Annexin 5A
Aqua bidest.	Doppelt destilliertes Wasser
Aqua dest.	destilliertes Wasser
ATP	Adenosintriphosphat
$\beta$	Beta
BCI	Bovines Corpus luteum
bFGF	basic Fibroblast Growth Factor
BME-Vitamine	Basal Eagle Vitamin Solution
bp	Basenpaare
BSA I	Bandeiraea simplicifolia Agglutinin I
bzw.	beziehungsweise
CAM	Zelladhäsionsmoleküle
CD	Cluster of Differentiation
cDNA	copyDesoxyribonukleinsäure
CaCl <sub>2</sub>	Kalziumchlorid
CO <sub>2</sub>	Kohlendioxid
DAB	Diaminobenzidin
DDSA	Dodecenylsuccinic-Acid Anhydride
DEPC	Diethylpyrocarbonat
DMEM	Dulbecco`s Modified Eagle`s Medium
DMP	Dimethylaminomethylphenol
DMSO	Dimethylsulfoxid
DNA	Desoxyribonukleinsäure
d`NTP`s	Desoxynucleosidtriphosphate
DTT	Dithiothreitol
dTTP	Desoxythymidin
ECGS	Endothelial Cell Growth Supplement
ECM	extrazelluläre Matrix
EDTA	Ethylen-Diamin-Tetra-Acid
EG-VEGF	Endocrine Gland-Vascular Endothelial Growth Factor
EPH	Ephrin

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EphB4	Ephrin-Rezeptortyrosinkinase
ET	Endothelin
FBS	Fetales bovines Serum
FGF	Fibroblast Growth Factor
FGF-R	Fibroblast Growth Factor-Receptor
FITC	Fluoreszeinisothiocyant
Flk-1	Fetal liver kinase-1
Flt-1	Fms-ähnliche Tyrosinkinase
G-CSF	Granulozyten-Kolonie stimulierender Faktor
GM-CSF	Granulozyten-Makrophagen-Kolonie stimulierender Faktor
HAEC	Human Aortic Endothelial Cells
H <sub>2</sub> O <sub>2</sub>	Wasserstoffperoxid
HPP-ECFC	High Proliferative Potential Colony Forming Cell
HUVEC	Human Umbilical Vein Endothelial Cells
ICAM-1	Intercellular Adhesion Molecule-1
Ig	Immunglobulin
IHH	Indian Hedgehog
KDR	Kinase-Domain-Region
LH	Luteinisierendes Hormon
LPP-ECFC	Low Proliferative Potential Colony Forming Cell
Lu-ECAM-1	Lung Specific Endothelial Cell Adhesion Molecule-1
M	molar
μ	Mikro (1x10 <sup>3</sup> )
Mad-CAM-1	Mucosal adressin Cell Adhesion Molecule-1
Mg <sup>2+</sup>	Magnesium
MgCl <sup>2</sup>	Magnesiumchlorid
MHC	Majorhistokompatibilitäts-Komplex
MMP-9	Matrix-Metalloproteinase-9
MNA	Methyl Nadic Anhydride
mRNA	Messenger Ribonukleinsäure
MW	Mittelwert
NO	Stickstoffmonoxid
NRP	Neuropilin
PBS	Phosphate buffered saline solution
PDGF	Platelet-Derived Growth Factor
PECAM-1	Platelet Endothelial Cell Adhesion Molecule-1
PCR	Polymerasekettenreaktion
PGI	Prostacyclin
pH	Säuregrad
PIGF	Placental Growth Factor

RNA	Ribonukleinsäure
rER	Raues endoplasmatisches Retikulum
RT-PCR	Reverse Transkriptase Polymerasekettenreaktion
Sca-1	Spinocerebelläre Ataxie Typ 1
Scl-Tal1	Stem Cell Leukemia
SCF	Stammzellfaktor, KIT-Ligand, KitL
SDF-1	Stroma Cell Derived Factor-1
SSEA-1	Stage Specific Embryonic Antigen-1
STF	Steelfactor
Taq-Polymerase	Polymerase aus <i>Thermus aquaticus</i>
TBE	Tris-Borsäure EDTA
TEM	Transmissionselektronenmikroskopie
TGF	Transforming Growth Factor
Tie	Tyrosin-Kinase with Immunglobulin and Epidermal Growth Factor Homology Domain
TNF- $\alpha$	Tumor Necrosis Factor- $\alpha$
TRIS-Puffer	Trishydroxymethylamin-Puffer
TRITC	Tetramethyl Rhodamin Iso-Thiozyanat
u.a.	unter anderem
UV	Ultraviolett
VCAM-1	Vascular Cell Adhesion Molecule-1
VE-Cadherin	Vascular Endothelial Cadherin
VEGF	Vascular Endothelial Growth Factor, Synonym: VEGF-A
VEGF-R1	Vascular Endothelial Growth Factor-Receptor 1, flt-1
VEGF-R2	Vascular Endothelial Growth Factor-Receptor 2, KDR, flk-1
VPF	Vaskulärer Permeabilitätsfaktor
vWF	von Willebrand Factor
WPB	Weibel-Palade-Body
z.B.	zum Beispiel
z.T.	zum Teil