

LIST OF ABBREVIATIONS

AAD	: Acute aortic dissection.
ACAN	: Aggrecan core protein.
ACE	: Angiotensin-converting enzyme.
AHR	: Airway hyperresponsiveness.
ALT	: Alanine transaminase.
AOs	: Antisense oligomer.
APP	: β -amyloid precursor protein.
ASM	: Airway smooth muscle.
AST	: Aspartate transaminase.
AT	: Anaphylatoxin-like modules.
BAL	: Bronchoalveolar lavage.
BM90	: Basement membrane protein 90.
C3a	: Complement-derived anaphylatoxin.
CaM kinase	: Calmodulin dependent kinase.
CBC	: Complete blood picture.
cbEGF	: Calcium-binding EGF-like modules.
cDNA	: Complementary DNA.
COPD	: Chronic obstructive pulmonary disease.
CSPG2	: Versican core protein.
CTGF	: Connective-tissue growth factor.
Cys	: Cysteine.
DANCE	: Developmental arteries and neural crest epidermal growth factor(EGF) - like
Domain N	: Amino-terminal domain.
ECM	: Extracellular-matrix.
ECs	: Endothelial cells.
EDTA	: Ethylene diamine tetra-acetic acid.
EFEMP	: EGF-containing fibulin-like extracellular matrix protein.
EGF	: Epidermal growth factor.
ELISA	: Enzyme-linked immunosorbent assay.
ERK	: Extracellular Signal-Regulated Kinases.
ERK	: Extracellular-signal-regulated kinase.
ERα	: Estrogen receptor-alpha.
EVEC	: Embryonic vascular EGF-like repeat-containing protein.
F1V1/FVC %	: Forced expiratory volume in one second/forced vital capacity .
FBLN-1	: FIBULIN-1.
FC	: Fibulin-type carboxyl terminus.
FEV1	: Forced expiratory volume in one second.
FGB	: Fibrinogen.
FN	: Fibronectin.
GERD	: Gastro-esophageal reflux disease.
HCC	: Hepatocellular Carcinoma.

HL	: Hodgkin Lymphoma.
HPV	: Human papillomavirus.
HRP	: Horseradish peroxidase.
HSPG	: Heparan sulfate proteoglycan.
IFN-γ	: Interferon- γ .
IL-4	: Interlukin-4.
LAMA1 and LAMA2:	Laminin subunits alpha-1 and alpha-2.
MBP1	: Mutant p53-binding protein 1.
MCF7 breast cancer cells:	Michigan Cancer Foundation-7.
MHC	: Major histocompatibility complex.
Na	: Cysteine-rich segment.
Nb	: Cysteine-free segment.
NC1	: C terminal domain of collagen XVIII.
NID	: Nidogen.
NOV	: Insulin-like growth factor-binding protein 9.
O.D	: Optical density.
PA	: Poster-anterior chest radiographs.
PaCO₂	: Partial pressure of CO ₂ .
PaO₂	: Partial pressure of O ₂ .
PEFR	: Peak expiratory flow rate.
PFT	: Pulmonary function test.
PR	: Progesterone receptor.
RGD	: Arginine-glycine-aspartate sequences.
SNPs	: Single nucleotide polymorphism.
SOF	: Serum opacity factor.
Sp transcription	: Specificity protein 1 transcription.
TGF-β	: Transforming growth factor- β .
Th1	: T-helper 1.
Th2	: T-helper 2.
VOCs	: Volatile organic compounds.
VSMCs	: Vascular smooth muscle cells.