A, ampere(s)

Å, angstrom unit(s) [10–8 cm]

aa, amino acid(s)

Ab, antibody

ABC, ATP-binding cassette

AChR, acetylcholine receptor

ACTA, α–smooth muscle actin

AIDS, acquired immunodeficiency syndrome

AMP, adenosine monophosphate (ADP, ATP)

AMPK, AMP kinase

Ang I, angiotensin I (Ang II)

ANOVA, analysis of variance

APC, antigen-presenting cell

apo, apolipoprotein (apoB, apoE)

ATPase, adenosine triphosphatase (AMPase, ADPase)

AU, arbitrary unit(s)

AUC, area under the curve

BAC, bacterial artificial chromosome

B2M, β2 microglobulin

bFGF, basic FGF

BM, bone marrow

bp, base pair(s)

BP, blood pressure

bpm, beat(s) per minute

BrdU, bromodeoxyuridine

BSA, bovine serum albumin

BSE, bovine spongiform encephalopathy

BTU, British thermal unit(s)

BW, body weight

°C, degree(s) Celsius

cAMP, cyclic adenosine monophosphate (cGMP)

CCL, CC chemokine ligand

CCR, CC chemokine receptor

cDNA, complementary DNA

CDP, cytosine diphosphate

CFA, complete Freund adjuvant

CFC, colony-forming cell

CFSE, carboxyfluorescein diacetate succinimidyl ester

CFTR, cystic fibrosis transmembrane conductance regulator

CFU, colony-forming unit

ChIP, chromatin immunoprecipitation

CHO, Chinese hamster ovary

Ci, curie(s)

CI, confidence interval

cM, centimorgan(s)

CMP, cytidine monophosphate (CDP, CTP)

CNS, central nervous system

CoA, coenzyme A

COX, cyclooxygenase

cpm, count(s) per minute

CSA, colony-stimulating activity

CSF, colony-stimulating factor

CSF1, macrophage colony stimulating factor

CSF2, granulocyte-macrophage colony stimulating factor

CSF3, granulocyte colony stimulating factor

Ct, threshold cycle

CT, computed tomography

CTL, cytotoxic T lymphocyte

d, day(s)

d, density

3D, 3-dimensional

Da, dalton(s)

DAPI, 4′,6-diamidino-2-phenylindole

DC, dendritic cell

DEAE, diethylaminoethyl

DMEM, Dulbecco modified Eagle medium

DMSO, dimethylsulfoxide

dpc, day(s) post coitum

dpm, disintegration(s) per minute

dsDNA, double-stranded DNA

DTT, dithiothreitol

E1, embryonic day 1 (E2, E3)

EAE, experimental autoimmune encephalomyelitis

EBV, Epstein-Barr virus

EC, endothelial cell

ECG, electrocardiogram, electrocardiography

ECL, enhanced chemiluminescence

ECM, extracellular matrix

E. coli, *Escherichia coli*

ED50, 50% effective dose

EDTA, ethylenediamine tetraacetic acid

EEG, electroencephalogram

EGF, epidermal growth factor

EGFP, enhanced GFP

EGFR, EGF receptor

EGTA, ethyleneglycol-bis-(β-aminoethylether)-*N*,*N*,*N*′,*N*′-tetraacetic acid

ELISA, enzyme-linked immunosorbent assay

EM, electron microscopy

EMSA, electrophoretic mobility shift assay

eNOS, endothelial NOS

ER, endoplasmic reticulum

ERK, extracellular signal–regulated kinase

ES, embryonic stem [cell]

°F, degrees Fahrenheit

FasL, Fas ligand

FBS, fetal bovine serum

Fc, crystallizable fragment [of immunoglobulin molecule]

FCS, fetal calf serum

FDA, Food and Drug Administration

FFA, free fatty acid

FGF, fibroblast growth factor

FISH, fluorescence in situ hybridization

FITC, fluorescein isothiocyanate

ft, foot, feet

g, gram(s)

g, unit(s) of gravity

GABA, γ-aminobutyric acid

GAPDH, glyceraldehyde-3-phosphate dehydrogenase

GC, germinal center

GFP, green fluorescent protein

GLUT, glucose transporter

gmol–1, molar mass

GMP, guanosine monophosphate (GDP, GTP)

GPCR, G protein–coupled receptor

Gy, gray(s)

h, hour(s)

HA, hemagglutinin

HBSS, Hanks balanced salt solution

H&E, hematoxylin and eosin

HEPES, *N*-2-hydroxyethylpiperazine-*N*'-2-ethanesulfonic acid

HGF, hepatocyte growth factor

HIF, hypoxia-inducible factor

HIV, human immunodeficiency virus (HIV-1, HIV-2)

HMG, 3-hydroxy-3-methyl-glutaryl

HPLC, high-performance liquid chromatography

HRP, horseradish peroxidase

HSA, human serum albumin

HSC, hematopoietic stem cell

hsp, heat shock protein

HUVEC, human umbilical vein endothelial cell

IB, immunoblot

ICAM, intercellular adhesion molecule

ICOS, inducible costimulatory molecule

i.c.v., intracerebroventricular(ly)

ID50, 50% infective dose

IDL, intermediate-density lipoprotein

IGF, insulin-like growth factor

I**K**B, inhibitor of NFKB (IKBE, IKBB)

i.m., intramuscular(ly)

i.n., intranasal(ly)

in., inch(es)

iNOS, inducible NOS

i.p., intraperitoneal(ly)

IP, immunoprecipitate, immunoprecipitated, immunoprecipitation

IR, insulin receptor

IRS, IR substrate

IU, international unit(s)

i.v., intravenous(ly)

JAK, Janus kinase

JNK, c-Jun NH2-terminal kinase

°K, degrees Kelvin

kb, kilobase

kcal, kilocalorie(s)

***K*d**, dissociation constant

kDa, kilodalton(s)

***K*I**, inhibition constant

***K*m**, Michaelis-Menten constant

l, liter(s)

LN, lymph node

lod, log odds ratio

LPS, lipopolysaccharide

LUC, luciferase

LV, left ventricle, left ventricular

m, meter(s)

M, molar

MALDI, matrix-assisted laser desorption/ionization

MAPK, mitogen-activated protein kinase

Mb, megabase(s)

MD, muscular dystrophy

MEK, MAPK kinase

MEM, Eagle minimal essential medium

MFI, mean fluorescence intensity

MMP, matrix metalloproteinase
MOI, multiplicity of infection
MOPS, 3-(*N*-morpholino)propanesulfonic acid
Mr, relative molecular mass
ms, millisecond(s)
MS, multiple sclerosis
MW, molecular weight
n, number in group
N, normal [solution]
N, total sample size
NA, not applicable
NAD, nicotinamide adenine dinucleotide
NADH, reduced NAD
NADPH, reduced NAD phosphate
NFKB, nuclear factor kappa B
NIH, National Institutes of Health
NK, natural killer
NKT, natural killer T [cell]
NMDA, *N*-methyl-d-aspartate
NMR, nuclear magnetic resonance
no., number
NO, nitric oxide
NOD, nonobese diabetic
NOR, nonobese resistant
NOS, NO synthase
NP-40, Nonidet P-40
NS, not significant
NSAID, nonsteroidal antiinflammatory drug
nt, nucleotide(s)
OCT, optimal cutting temperature [compound]
OD, optical density
ORF, open reading frame
osm, osmole(s)
OVA, ovalbumin
P, probability
P1, postnatal day (P1, P2, P3)
PAGE, polyacrylamide gel electrophoresis
PAR, protease-activated receptor
PAS, periodic acid–Schiff
PBL, peripheral blood leukocyte
PBMC, peripheral blood mononuclear cell
PBS, phosphate-buffered saline
PCR, polymerase chain reaction
PDGF, platelet-derived growth factor
PDGFR, PDGF receptor
PE, phycoerythrin
PET, positron emission tomography
PFA, paraformaldehyde
PFU, plaque-forming unit
pg, picogram(s)
PG, prostaglandin
pH, hydrogen ion concentration
pI, isoelectric point
PI3K, phosphatidylinositol-3′-kinase
PIPES, piperazine-*N*,*N*′-bis(2-ethanesulfonic acid)
PKC, protein kinase C (PKA, PKB)
PLC, phospholipase C
PMA, phorbol myristate acetate
PMSF, phenylmethylsulfonyl fluoride
PPAR, peroxisome proliferator–activated receptor (PPARγ)

psi, pound(s) per square inch

PVDF, polyvinylidene diflouride

r, correlation coefficient

RA, rheumatoid arthritis

rad, radiation-absorbed dose

RAG, recombination activating gene

rbc, red blood cell(s)

RFLP, restriction fragment length polymorphism

RIA, radioimmunoassay

RLU, relative light unit(s)

RNAi, RNA interference

ROS, reactive oxygen species

rpm, revolution(s) per minute

rRNA, ribosomal RNA

RT, reverse transcriptase

RU, resonance unit(s)

RV, right ventricle, right ventricular

s, second(s)

SARS, severe acute respiratory syndrome

s.c., subcutaneous(ly)

SCF, stem cell factor

SCID, severe combined immunodeficiency disease

SD, standard deviation

SDS, sodium dodecylsulfate

SEM, standard error of the mean

shRNA, short hairpin RNA

siRNA, small, interfering RNA

SIV, simian immunodeficiency virus

SLE, systemic lupus erythematosus

SMA, smooth muscle actin

SMC, smooth muscle cell

SNP, single nucleotide polymorphism

SOCS, suppressor of cytokine signaling

SOD, superoxide dismutase

SREBP, sterol regulatory element–binding protein

SSC, standard saline citrate

t, time

t1/2, half-life

TBS, triethanolamine-buffered saline

TCA, tricarboxylic acid

Tg, transgene, transgenic

TGase, transglutaminase

Th, T helper [cell] (Th1, Th2)

TLC, thin-layer chromatography

TLR, Toll-like receptor

TOF, time of flight

TPA, tissue plasminogen activator

Treg, regulatory T cell

Tris, tris(hydroxymethyl)-aminomethane

TRITC, tetrarhodamine isothiocyanate

TUNEL, terminal deoxynucleotidyl transferase–mediated dUTP nick end-labeling

TXA, thromboxane A

U, unit(s)

UMP, uridine monophosphate (UDP, UTP)

UV, ultraviolet

Vmax, maximum velocity

vol, volume

VSMC, vascular smooth muscle cell

VWF, von Willebrand factor

wbc, white blood cell(s)

WHO, World Health Organization

wk, week(s)

wt, weight

yr, year(s)