

LIST OF ABBREVIATIONS

Abs	Antibodies
AP-1	Activating protein-1
APS	Ammonium persulphate
ATP	Adenosine triphosphate
BHA	3-tert-butyl-4-hydroxyanisole
BHT	Butylated hydroxy toluene
BMM	Bone marrow-derived macrophages
BSA	Bovine serum albumin
CL	Cutaneous leishmaniasis
CRE	cAMP-responsive element
CRP	C-reactive protein
DALYs	Disability Adjusted Life Years
dBcAMP	Dibutyl cyclic adenosine monophosphate
DEPC	Diethylpyrocarbonate
DTT	Dithiothreitol
DMSO	Dimethyl sulfoxide
EDTA	Ethylene diamine tetra-acetic acid
EMSA	Electrophoretic mobility shift assay
EP buffer	Electroporation buffer
ERK	Extracellular signal-regulated kinases
FCS	Foetal calf serum
gm	Gram
GIPL	Glycoinositolphospholipids
GPI	Glycosylphosphatidylinositol
GP63	Glycoprotein 63
GSH	Glutathione
H7	1-(5-isoquinoline sulfonyl)-2-methylpiperazine hydrochloride
HEPES	N-2-Hydroxy ethyl piperazine-N'-2-ethane sulfonic acid
h	Hour/Hours

HRPO	Horseradish peroxidase
IC ₅₀	50% inhibitory dose
ICSBP	IFN consensus sequence-binding protein
IFN- γ	Interferon gamma
IL	Interleukin
iNOS	Inducible nitric oxide synthase
IL	Interleukin
IRF	Interferon regulatory factor
ISRE	Interferon-stimulated response element
JAK	Janus kinase
JNKs	c-jun amino-terminal kinases
Kb	Kilobase
<i>L. donovani</i>	<i>Leishmania donovani</i>
LPG	Lipophosphoglycan
LPS	Lipopolysaccharide
LTR	Long terminal repeat
LUC	Luciferase
μ g	Microgram
μ l	Microlitre
μ M	Micromolar
MAPK	Mitogen-activated protein kinases
MFR	Mannose-fucosyl receptor
mg	Milligram
MHC	Major Histocompatibility Complex
ml	Millilitre
mM	Millimolar
MOPS	(3-[N-morpholino] propane sulphonic acid)
NEDD	N-(1-naphthyl) ethylene diamine dihydrochloride
NEO	Neomycin
NF- κ B	Nuclear factor- κ B
nM	Nanomolar
NK	Natural killer
NO	Nitric oxide

OAG	1-oleoyl-2-acetyl-glycerol
ODC	Ornithine decarboxylase
OKA	Okadaic acid
%	Percent
PB	Polymyxin B
PBS	Phosphate buffered saline
PI-PLC	Phosphatidylinositol specific phospholipase C
PKA	Protein kinase A
PKC	Protein kinase C
PKDL	Post Kala-azar Dermal Leishmaniasis
PMA	Phorbol myristate acetate
PMSF	Phenyl methyl sulfonyl fluoride
PPG	Proteophosphoglycan
PTK	Phospho tyrosine kinases
PV	Parasitophorous vacuoles
RLU	Relative light units
ROI	Reactive oxygen intermediates
ROS	Reactive oxygen species
rpm	Revolution per minute
RT	Room temperature
SD	Standard deviation
SDS	Sodium dodecyl sulphate
SRE	Serum response element
TEMED	Tetra methyl ethylene diamine
TLR	Toll-like receptor
TNF- α	Tumour necrosis factor- alpha
VL	Visceral leishmaniasis
W7	N- (6-aminohexyl)-5-chloro-1 naphthalenesulfonamide