Abbreviations

Ab, Antibody
ACK, Ammonium chloride potassium bicarbonate lysis buffer
ADC, Albumin dextrose catalase
Ag, Antigen
AIDS, Acquired Immunodeficiency Syndrome
ANOVA, Analysis of variance
APC, Antigen presenting cells
APC-Cy7, Allophyococyanin-Cyanin7
BCA, Bicinchoninic acid
BCG, Bacillus/Bacille/Bacilli Calmette-Guerin
BMDC, Bone marrow derived dendritic cells
BSA, Bovine serum albumin
CCR, Chemokine receptor
CD, Cluster of differentiation
CFSE, Carboxyfluorescein succinimidy ester
CFU, Colony forming units
cpm, counts per minute
CR, Complement receptor
CTL, Cytotoxic T lymphocytes
DCs, Dendritic cells
DMSO, Dimethylsulphoxide
dna, Deoxyribonucliotide acid
DOTS, Directly observed treatment and short-course drug therapy
EDTA, Ethylenediamine tetra-acetic acid
ELISA, Enzyme linked immuno-sorbent assay
F91, peptide 91-110 from 16 kDa
FACS, Fluorescence activated cell sorter
FBS, Fetal bovine serum
Fc, Fraction crystallizable
Fig, Figure
FITC, Fluorescein isothiocyanate
GM-CSF, Granulocyte macrophage colony stimulating factor
H&E, Hematoxylin and eosin
HEPES, N-2-hydroxyethylpiperazine-N’-2-ethanesulponic acid
HIV, Human immunodeficiency virus
HLA, Human Leukocyte Antigen
HRP, Horse radish peroxidase
i.p., intraperitoneal
ICS, Intra-cellular staining
IFN-γ, Interferon-γ
Ig, Immunoglobulin
IL, Interleukin
IL-7R, Interleukin-7 receptor
IMFI, Integrated mean/median fluorescence intensity
INH, Isoniazid
L91, peptide 91-110 from 16 kDa covalently linked to Pam2Cys
LAM, Lipoarabinomannan
LN, Lymph node
mAbs, Monoclonal antibodies
MCC, Matthew’s correlation coefficient
MDR, multi drug-resistant
MFI, mean fluorescent intensity
MHC, Major histocompatibility complex
M. tb, Mycobacterium tuberculosis
MOI, Multiplicity of infection
NK cells, Natural killer cells
NLR, NOD like receptor
NO, Nitric oxide
NPV, negative predictive value
OADC, Oleic Acid albumin dextrose catalase
OD, Optical density
OPD, O-phenylenediamine dihydrochloride
Pam2Cys, S-[2, 3-bis (palmitoyloxy) propyl] cysteine
PBMCs, Peripheral blood mononuclear cells
PBS, Phosphate buffered saline
PE, Phycoerythrin
PECs, Peritoneal exudates cells
PE-Cy5, Phycoerythrin-Cyanin5
pH, Negative logarithm of hydrogen ion concentration
PIM, Phosphatidylinositol mannosides
PMSF, Phenylmethylsulfonyl fluoride
PPD, Purified protein derivative
PPV, positive predictive value
R, Receptor
r, Recombinant
RBCs, Red blood cells
RNI, Reactive nitrogen intermediates
ROI, Reactive oxygen intermediates
rpm, rotations per minute
RPMI, Roswell park memorial institute
SD, Standard deviation
SDS, Sodium dodecyl sulphate
SEM, Standard Error of the Mean
SI, stimulation index
STCF, Short term culture filtrate
SVM, support vector machine
Sv-PE-Cy5, Streptavidin-phycoerythrin-Cyanin5
Treg, Regulatory T cells
Tfh, T follicular helper
TB, Tuberculosis
TCH, Thiophene carboxylic hydrazide
TCR, T cell receptor
Th, T helper
TLR, Toll Like Receptor
TNF-α, Tumor necrosis factor-α
UNICEF, United nations children’s emergency fund
Vol., Volume
WHO, World health organization
XDR, Extensively drug resistant
β-ME/2-ME, β- or 2- mercaptoethanol
1.6.a, IL-1+IL-6+TNF-α
3H, Tritium
UNITS OF MEASUREMENT
% , Percentage
× g, Centrifugal force equal to gravitational force
μg, Microgram
μl, Microlitre
μCi, Micro Curie
°C, Degrees celcius
g, Gram(s)
hr, Hour(s)
KDa, Kilo dalton
M, Molar
mg, Milligrams
min, Minutes
ml, Millilitre
mM, Millimolar
ng, Nanogram
nmol, Nanomoles
nM, Nanomolar
Rad, Radiation Absorbed Dose
v/v, Volume/volume
w/v, Weight/volume