# Abbreviations and Acronyms

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Adenine</td>
</tr>
<tr>
<td>ADC</td>
<td>Albumin-Dextrose-Catalase</td>
</tr>
<tr>
<td>Ab</td>
<td>Antibody</td>
</tr>
<tr>
<td>AIDS</td>
<td>Acquired Immune Deficiency Syndrome</td>
</tr>
<tr>
<td>APC</td>
<td>Antigen Presenting Cells</td>
</tr>
<tr>
<td>ATCC</td>
<td>American Type Culture Collection</td>
</tr>
<tr>
<td>BAL</td>
<td>Bronchoalveolar Lavage</td>
</tr>
<tr>
<td>BM</td>
<td>Bone Marrow</td>
</tr>
<tr>
<td>bp</td>
<td>base pair</td>
</tr>
<tr>
<td>BCG</td>
<td>Bacillus Calmette-Guerin</td>
</tr>
<tr>
<td>C</td>
<td>Cytosine</td>
</tr>
<tr>
<td>CD</td>
<td>Cluster of Differentiation</td>
</tr>
<tr>
<td>CD&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Cluster of Differentiation Antigen 4</td>
</tr>
<tr>
<td>CD&lt;sup&gt;8&lt;/sup&gt;</td>
<td>Cluster of Differentiation Antigen 8</td>
</tr>
<tr>
<td>cDNA</td>
<td>complementary DNA</td>
</tr>
<tr>
<td>CFP-10</td>
<td>Culture Filtrate Protein 10 kDa</td>
</tr>
<tr>
<td>CFU</td>
<td>Colony Forming Unit</td>
</tr>
<tr>
<td>CSA</td>
<td>Complete Soluble Antigen</td>
</tr>
<tr>
<td>DC</td>
<td>Dendritic Cell</td>
</tr>
<tr>
<td>DNA</td>
<td>Deoxyribonucleic Acid</td>
</tr>
<tr>
<td>dNTP</td>
<td>deoxynucleoside triphosphate</td>
</tr>
<tr>
<td>DTH</td>
<td>Delayed Type Hypersensitivity</td>
</tr>
<tr>
<td>EDTA</td>
<td>Ethylenediaminetetraacetic acid</td>
</tr>
</tbody>
</table>
ELISA  Enzyme Linked Immunosorbent Assay
ESAT-6  Early Secreted Antigenic Target protein -6kDa
FACS  Fluorescence Activated Cell Sorter
FCS  Fetal Calf Serum
FITC  Fluorescein Isothiocyanate
G  Guanine
GM-CSF  Granulocyte Macrophage Colony Stimulating Factor
hr  Hour
HIV  Human Immunodeficiency Virus
IFN-α  Interferon-α
IFN-β  Interferon-β
IFN-γ  Interferon-γ
Ig  Immunoglobulin
IL-6  Interleukin-6
IL-10  Interleukin-10
IL-12  Interleukin-12
IRAk-1  Interleukin-1 receptor associated kinase-1
kb  Kilobase
kDa  Kilodalton
KO  Knock out
LPS  Lipopolysaccharide
LT  Lymphotoxin
M  molar
MACS  Magnetic Cell Sorting
MDR TB  Multi-Drug Resistant Tuberculosis
MFI  Mean Fluorescence Intensity
mg   Milligram
MHC  Major HISTOCOMPATIBILITY Complex
min  Minute
miRNA microRNA
ml   millilitre
MOI  Multiplicity of Infection
mRNA messenger RNA
M. tb Mycobacterium tuberculosis
MyD88 Myeloid differentiation protein 88
μg   microgram
μM  micromolar
NK T cell Natural Killer T cells
NF-κB Nuclear Factor kappa-light-chain-enhancer of activated B cells
ng   nanogram
OADC Oleic acid-Albumin-Dextrose-Catalase
OD   Optical Density
ORF  Open Reading Frame
OVA Ovalbumin
PAGE Polyacrylamide Gel Electrophoresis
PAMP Pathogen Associated Molecular Patterns
PBMC Peripheral Blood Mononuclear Cells
PCR Polymerase Chain Reaction
PBS Phosphate Buffer Saline
PE  Phycoerythrin
pg  picogram
PPD  Purified Protein Derivative
PRR  Pattern Recognition Receptor
RBC  Red Blood Corpuscles
RD1  Region of Difference1
RNA  Ribonucleic Acid
STAT Signal Transducer and Activator of Transcription
SDS  Sodium Dodecyl Sulphate
T    Thymine
TB   Tuberculosis
TCR  T Cell Receptor
TGF-β Transforming Growth Factor-β
Th1  T helper cell type 1
Th2  T helper cell type 2
Th17 T helper cell type 17
TLR  Toll Like Receptor
TNF-α Tumour necrosis factor-α
TRAF6 TNF receptor-associated factor -6
Treg T Regulatory Cells
U    Uracil
WHO  World Health Organization
XDR TB Extensively-Drug Resistant Tuberculosis