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CHAPTER II: MATERIALS AND METHODS

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ABBREVIATIONS

°C	Degree Celsius
(v/v)	volume: volume ratio
%	Percentage
µg	Microgram
µl	Microliter
APC	Antigen presenting cell
BSA	Bovine serum albumin
CD	Cluster of differentiation
CFSE	Carboxyfluorescein diacetate succinimidyl ester
CMI	Cell-mediated immunity
CTL	Cytotoxic T lymphocyte
DHE	Dihydroehidium
DMEM	Dulbecco's Modified Eagle Medium
E. coli	*Escherichia coli*
EDTA	Ethylenediamine tetraacetic acid
FBS	Fetal bovine serum
FITC	Fluorescein isothiocyanate
gp	Glycorotein
HGPRT	Hypoxanthine guanine phosphoribosyl transferase

HIV	Human immunodeficiency virus
HMI	Humoral mediated immunity
HRP	Horseradish peroxidase
IFN	Interferon
Ig	Immunoglobulin
IgG	Immunoglobulin G
IgM	Immunoglobulin M
IL	Interleukin
IMDM	Iscove's Modified Dulbecco's Medium
kDa	Kilodalton
L	Liter
LPS	Lipopolysaccharide
M	Molarity
mAb	Monoclonal antibody
mg	Milligram
MHC	Major histocompatibility complex
ml	Milliliter
MW	Molecular weight
NaCl	Sodium chloride
$NaHCO_3$	Sodium bicarbonate
ng	Nanogram
OD	Optical density
PAMPs	Pathogen-associated molecular pattern
PBMC	Peripheral blood mononuclear cell

PBS	Phosphate buffer saline
PE	Phycoerythrin
PGN	Proteins and peptidoglycans
pH	Power of hydrogen
PKC	Protein kinase C
PMA	Phorbol myristate acetate
PMSF	Phenylmethyl-sulphonylfluoride
RBC	Red blood cell
SD	Standard deviation
SDS-PAGE	sodium dodecyl sulfate-polyacrylamide gel electrophoresis
TCR	T cell receptor
T_H	Helper T lymphocytes
TLR	Toll-like receptor
TNF	Tumor necrosis factor
TyK	tyrosine kinase