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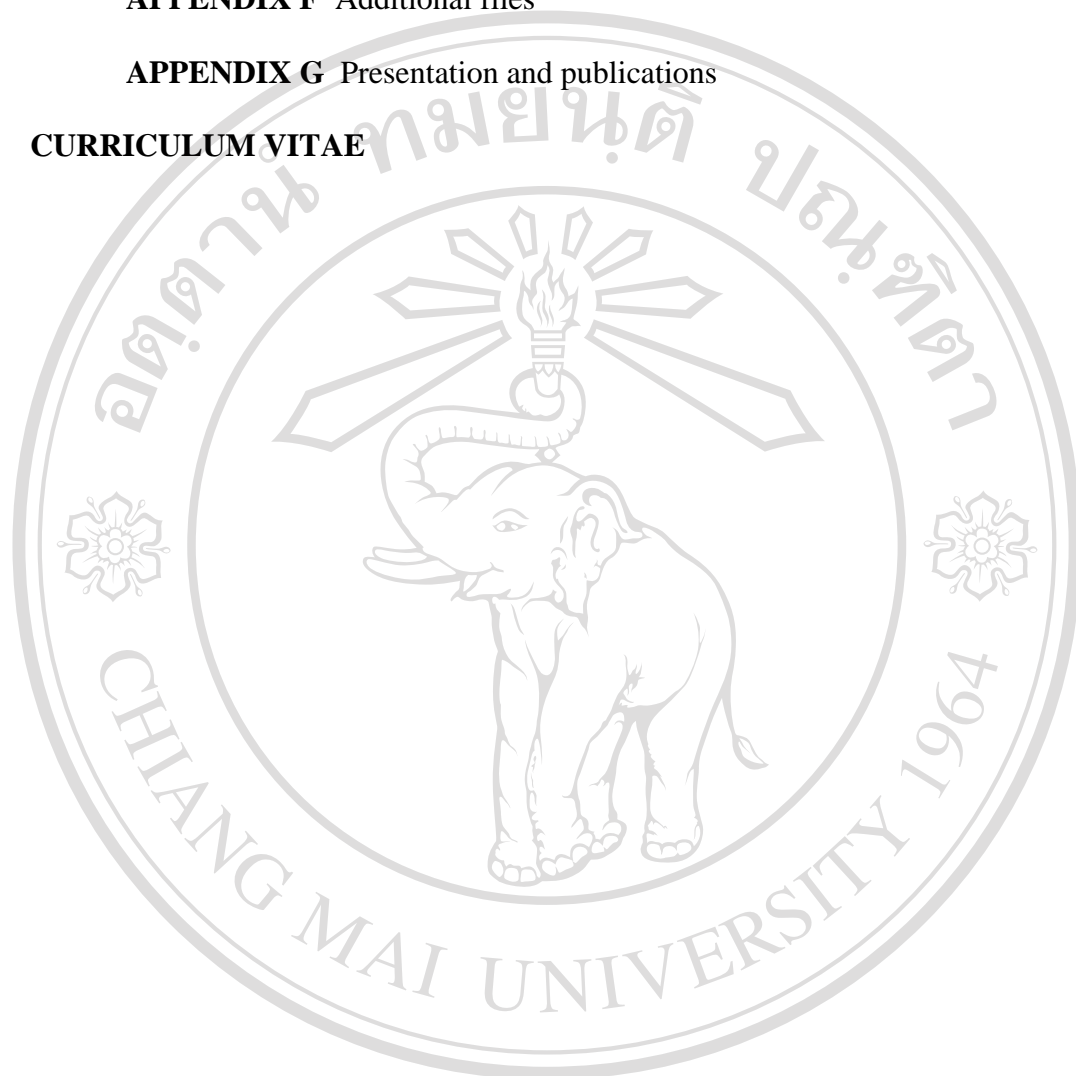
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## ABBREVIATIONS AND SYMBOLS

%	percent
°C	degree Celsius
Ab	antibody
Ad	adenovirus
bp	base pair
BSA	bovine serum albumin
CaCl <sub>2</sub>	calcium chloride
cDNA	complementary DNA
CDR	complementarity-determining regions
CFSE	5-carboxyfluorescein diacetate succinimidyl ester
cfu	colony forming unit
C <sub>H</sub>	constant domain of the heavy chain
C <sub>L</sub>	constant domain of the light chain
DEPC	diethylpyrocarbonate
DMEM	Dulbecco's Modified Eagle's medium
<i>E. coli</i>	<i>Escherichia coli</i>
ELISA	enzyme-linked immunosorbent assay
Fab	antigen binding fragment
FBS	fetal bovine serum
Fc	crystallizable fragment
Fd	fragment containing C <sub>H</sub> and C <sub>L</sub>

Fv	variable fragment
g	gravity
gp	gene protein
gm	gram
h	hour
HA	the influenza hemagglutinin epitope YPYDVPDYA
HCl	hydrochloric acid
HRP	horseradish peroxidase
Ig	immunoglobulin
kb	kilo base pair
kDa	kilodaltons
M	molar
mAb	monoclonal antibody
mg	milligram
min	minute
ml	milliliter
MOI	multiplicity of infection
mRNA	messenger RNA
NaCl	sodium chloride
NaN <sub>3</sub>	sodium azide
NaOH	sodium hydroxide
ng	nanogram
OD	optical density

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PBMCs	peripheral blood mononuclear cells
PBS	phosphate buffer saline
PCR	polymerase chain reaction
PEG	polyethylene glycol
pfu	plaque forming unit
rpm	revolution per minute
RT	room temperature
RT-PCR	reverse transcriptase polymerase chain reaction
scFv	single-chain variable fragment
TMB	3,3',5,5'-tetramethylbenzidine
U	unit
V <sub>H</sub>	variable domain of heavy chain
V <sub>L</sub>	variable domain of light chain
μg	microgram
μl	microliter

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