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## LIST OF ABBREVIATIONS

°C	Celcius degree
293A	human embryonic kidney cell line
AIDS	acquired immune deficiency syndrome
Ab	antibody (-ies)
Ad	adenovirus
ART	antiretroviral therapy
bp	base pair (s)
CAR	coxsackie-adenovirus receptor
CD	cluster of differentiation
CPE	cytopathic effects
DARPin	designed ankyrin repeat protein
DMEM	Dulbecco's Modified Eagle's medium
EDTA	ethylenediaminetetraacetic acid
Env	envelope
FBS	fetal bovine serum
Fwd	forward
GFP	green fluorescence protein
g	gram (s)
b สปสทธา	hour (s)
HAART	Highly active antiretroviral therapy
HIV	human immunodeficiency virus
HRP	horseradish peroxidase
Ig	immunoglobulin
kDa	kiloDaltons
Μ	molar (s)
mAb	monoclonal antibody (-ies)
MFI	mean fluorescence intensity
mg	milligram (s)

min	minute (s)
mA	milliAmpere (s)
ml	milliliter (s)
mM	millimolar (s)
Ν	normal (s)
NaCl	sodium chloride
NaN <sub>3</sub>	sodium azide
NaOH	sodium hydroxide
OD	optical density (-ies)
pAb	polyclonal antibody (-ies)
PBMC	peripheral blood mononuclear cell (s)
PBS	phosphate buffered saline
PCR	polymerase chain reaction
PVDF	polyvinylidene-fluoride
Rev	reverse
RPE	R-phycoerythrin
RPMI	Roswell Park Memorial Institute medium
SDS-PAGE	sodium dodecyl sulfate-polyacrylamide gel
	electrophoresis
U	unit (s)
μg	microgram (s)
<sup>µ</sup> adansı	microliter (s)
WT Copyright	wild type
ALL	ghts reserved
	Dure reserved

### LIST OF SYMBOLS

% percentage alpha α beta β lesser than <equal or lesser than 2124.279  $\leq$ equal or greater than  $\geq$ plus or minus ± Å angstrom HERG MAIL ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่ Copyright<sup>©</sup> by Chiang Mai University All rights reserved