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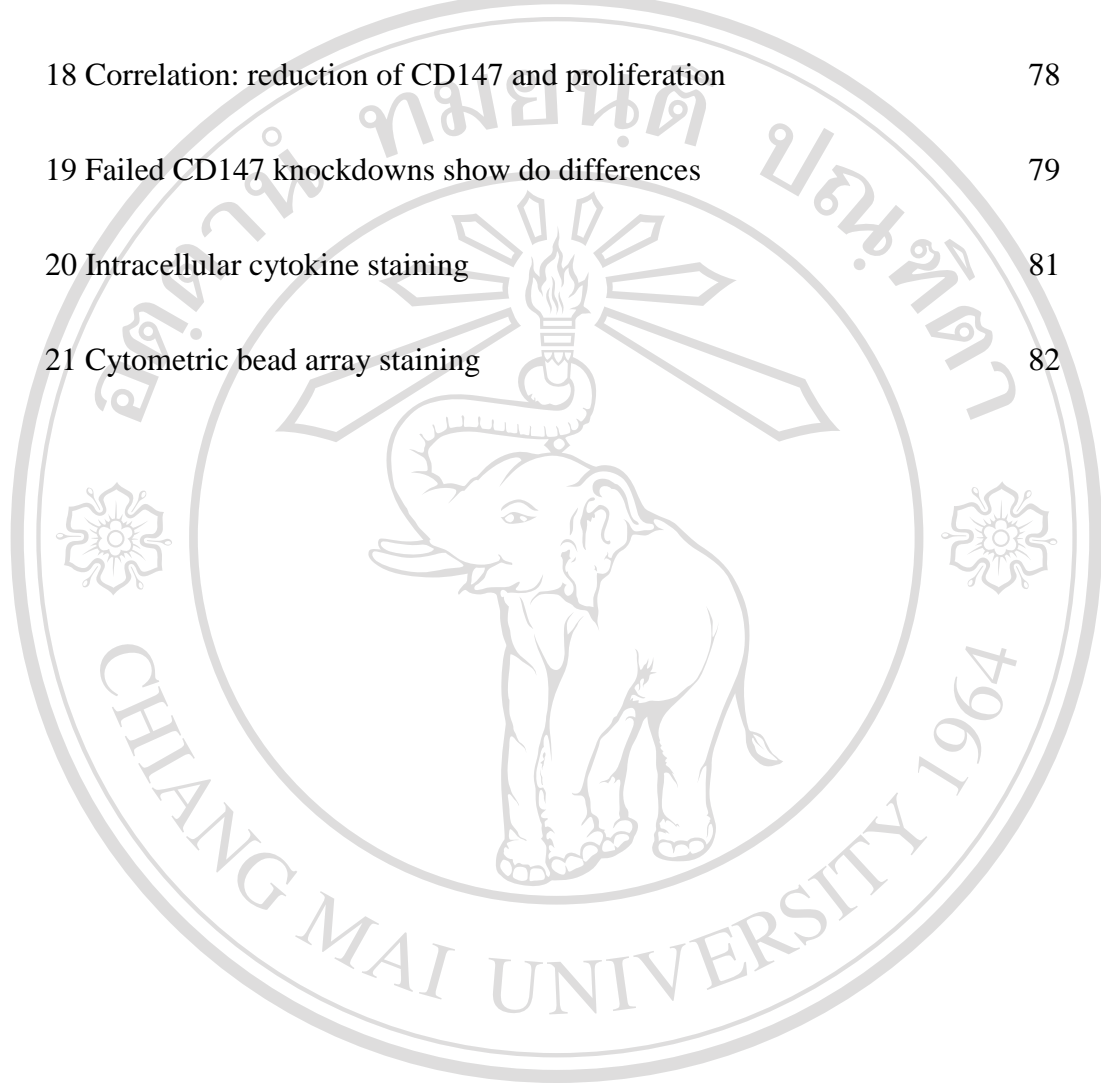
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## ABBREVIATIONS

µg – micrograms

µl – microliters

µM – microMolar

Ab – Antibody

Ag – Antigen

APC – Antigen Presenting Cell

APC – AlloPhycoCyanin

BLAST – Basic Local Alignment Search Tool

CTL – Cytotoxic T lymphocyte

cDNA – Complementary DNA

CD – Cluster of Differentiation

CFSE – 5 (and 6)-carboxyfluorescein diacetate succinimidyl ester

CNS – Central Nervous System

DMSO – Dimethyl Sulfoxide

DNA – DeoxyriboNucleic Acid

EAE – Experimental Autoimmune Encephalomyelitis

ECM – Extra Cellular Matrix

FAK – Focal Adhesion Kinase

FACS – Fluorescence Activated Cell Sorter

FCS – Fetal Calf Serum

FITC – Fluorescien IsothioCynate

GA – Glatiramer Acetate

HC – Healthy Controls

HLA – Human Leukocyte Antigen

ICAM – Intracellular Adhesion Molecule

IFN- $\gamma$  - Interferon Gamma

IFN- $\beta$  - Interferon Beta

IL-2 – Interleukin 2

IL-4 – Interleukin 4

IL-5 – Interleukin 5

IL-7 – Interleukin 7

IL-10 – Interleukin 10

LFA – Leukocyte Function-associated Antigen

mRNA – messenger RNA

MS – Multiple Sclerosis

MHC – Major Histocompatibility Complex

ml – Milliliter

MAB – Monoclonal Antibody

MBP – Myelin Basic Protein

MCT- Monocarboxylic Acid Transporters

MOG – Myelin Oligodendrocyte Glycoprotein

mRNA – Messenger RNA

MRI – Magnetic Resonance Imaging

NCBI- National Center for Biotechnology Information

PBMC – Peripheral Blood Mononuclear Cells

PBS – Phosphate Buffered Saline

PCR – Polymerase Chain Reaction

PerCP - Peridinin-chlorophyll-protein

PE – PhycoErythrin

PHA - Phytohaemagglutinin

PMA - Phorbol 12-myristate 13-acetate

PPMS – Primary Progressive Multiple Sclerosis

PLP – Proteolipid Protein

RNA – RiboNucleic Acid

RRMS – Relapsing Remitting Multiple Sclerosis

RT-PCR – Reverse Transriptase Polymerase Chain Reaction

SEB – Staphylococcal Enterotoxin B

SLE – Systemic Lupus erythematosus

SPMS – Secondary Progressive Multiple Sclerosis

SMART-Race – Switching Mechanism At the 5' end of the RNA Transcript –  
Rapid Amplification of cDNA Ends

TCRBV – T-cell Receptor Beta V region

Treg – Regulatory T cell

TNF- $\alpha$  - Tumor Necrosis Factor Alpha

TGF- $\beta$  - Transforming Growth Factor beta

TCR – T Cell Receptor

VEGF – Vascular Endothelial Growth Factor

VCAM-1 – Vascular Cell Adhesion Molecule 1