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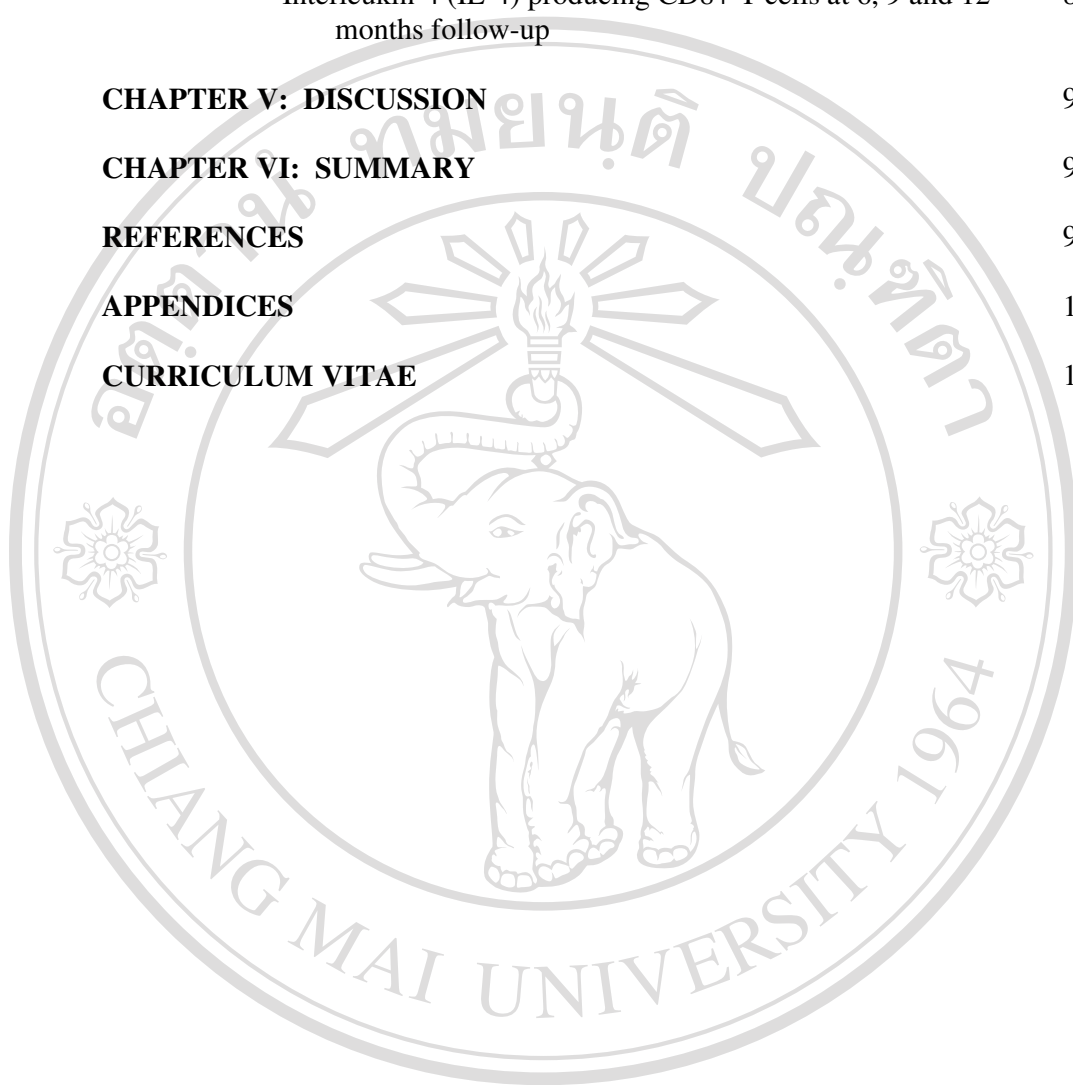
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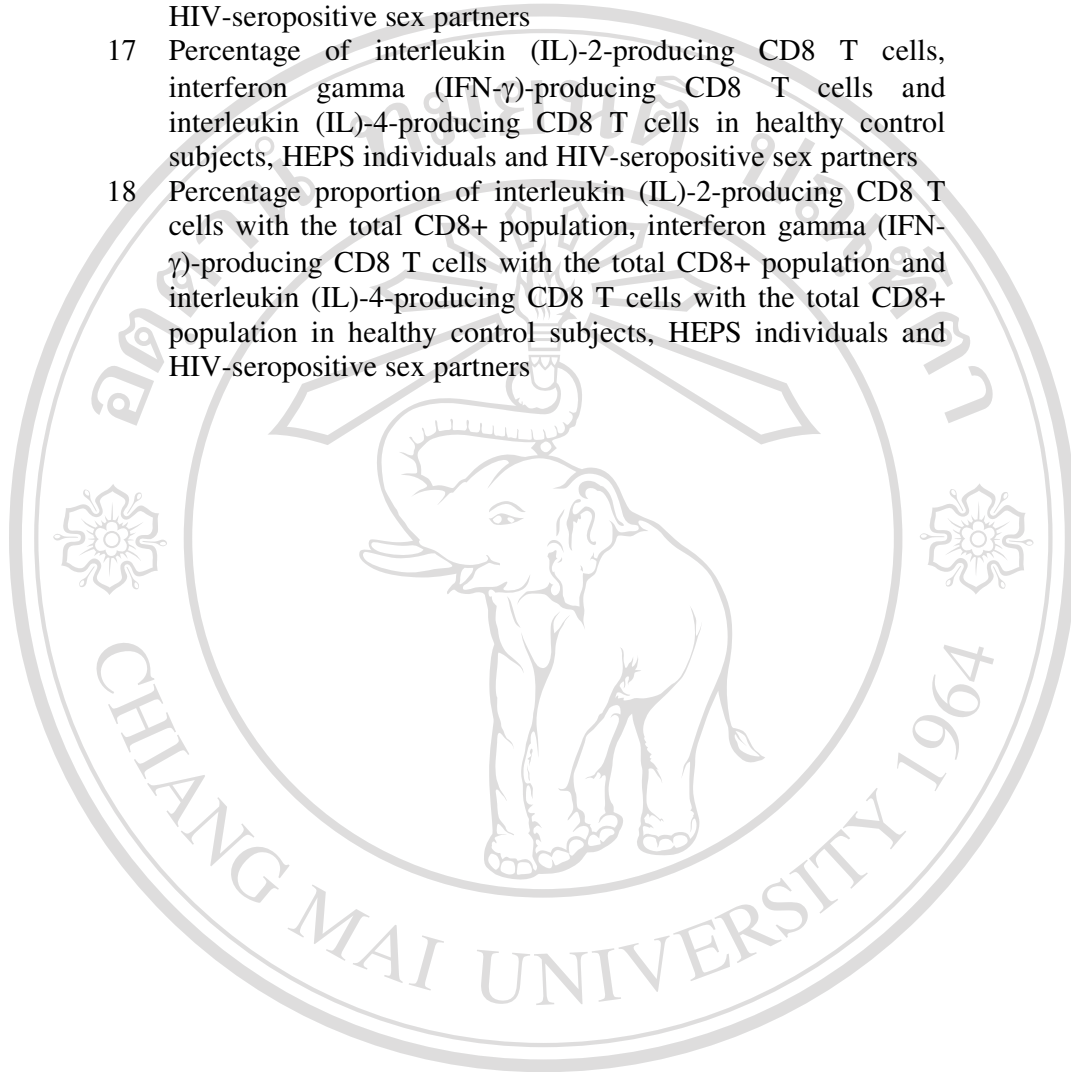
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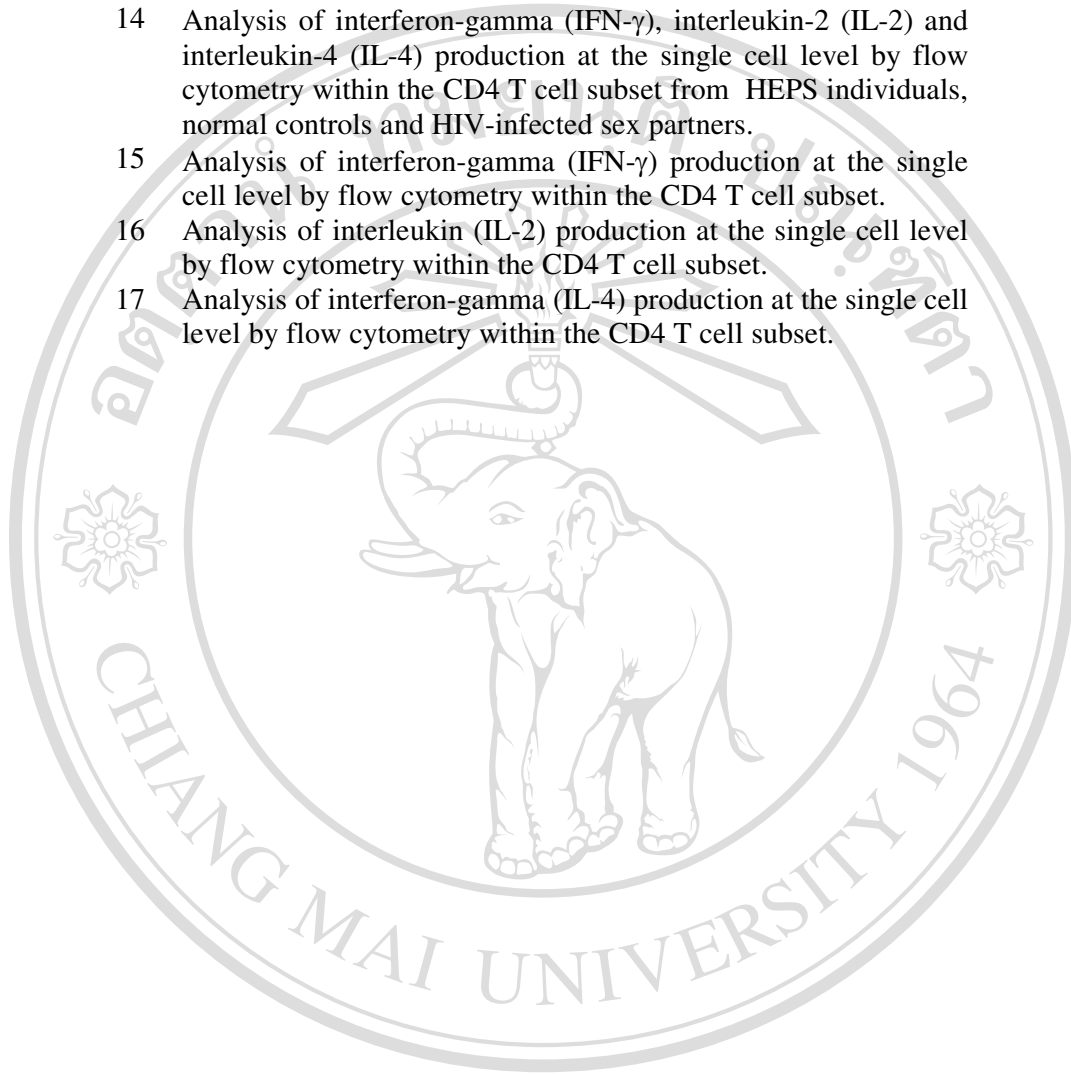
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### ABBREVIATIONS

|                    |                                      |
|--------------------|--------------------------------------|
| %                  | percent                              |
| $\beta$            | beta                                 |
| $\Delta$           | delta                                |
| $\gamma$           | gamma                                |
| $\mu$              | micro                                |
| $\mu\text{g}$      | microgram                            |
| $\mu\text{l}$      | microliter                           |
| $^{\circ}\text{C}$ | degree Celsius                       |
| ADCC               | antibody dependent cell cytotoxicity |
| AIDS               | acquired immunodeficiency syndrome   |
| APC                | antigen presenting cells             |
| BFA                | Brefeldin A                          |
| bp                 | base pair                            |
| CA                 | capsid                               |
| CAF                | cell antiviral factor                |
| CCR                | CC-chemokine receptor 5              |
| CD                 | Cluster of differentiation           |
| cDNA               | complementary deoxyribonucleic acid  |
| CMI                | cellular immune response             |
| CMIR               | Cell-Mediated Immune Responses       |
| CSWs               | commercial sex workers               |
| CTLs               | cytotoxic T-lymphocyte               |

|        |  |
|--------|--|
| CXCR4  | CXC-chemokine receptor 4                         |
| DNA    | deoxyribonucleic acid                            |
| dNTP   | deoxynucleotide triphosphate                     |
| DTH    | delayed type-hypersensitivity                    |
| EDTA   | Ethylenediaminetetraacetic acid                  |
| EIA    | enzyme immunoassay                               |
| ELISA  | enzyme linked immunosorbent assays               |
| Env    | envelope   |
| ES     | exposed seronegative                             |
| EtOH   | ethanol  |
| EU     | exposed uninfected                               |
| FACS   | fluorescence-activated cell sorter               |
| FIFA   | flowcytometric immunofluorescence assay          |
| FITC   | Fluorescein isothiocyanate                       |
| FSC    | forward scatter                                  |
| g      | gram or gravity                                  |
| GM-CSF | granulocyte-macrophage colony-stimulating factor |
| gp     | glycoprotein                                     |
| GPA    | gelatin particle agglutination                   |
| HEPS   | highly exposed persistently seronegative         |
| HIV    | human immunodeficiency viruses                   |
| HRPO   | horseradish peroxidase                           |
| ICCS   | intracellular Cytokine Staining                  |
| ICD    | immune-complex dissociation                      |
| IDUs   | intravenous drug users                           |

|          |                                      |
|----------|--------------------------------------|
| IFN      | interferon                           |
| Ig       | immunoglobulin                       |
| IgA      | immunoglobulin A                     |
| IgG      | immunoglobulin G                     |
| IgM      | immunoglobulin M                     |
| IL       | interleukin                          |
| IN       | integrase                            |
| kb       | kilobase                             |
| kDa      | kilodalton                           |
| LTNPs    | long-term nonprogressors             |
| LTRs     | long terminal repeats                |
| M        | molarity                             |
| MA       | matrix                               |
| mAb      | monoclonal antibody                  |
| mAbs     | monoclonal antibodies                |
| M-CSF    | macrophage colony-stimulating factor |
| MEIA     | microparticle enzyme immunoassay     |
| mg       | milligram                            |
| MHC      | major histocompatibility complex     |
| MIP      | macrophage inflammatory protein      |
| ml       | milliliter                           |
| mM       | micromolar                           |
| M-tropic | macrophage-tropic                    |
| MW       | molecular weight                     |
| N        | normality                            |
| NC       | nucleocapsid                         |

|      |                                       |
|------|---------------------------------------|
| ng   | nanogram                              |
| NK   | natural killer                        |
| nm   | nanometer                             |
| NSI  | non-syncytium-inducing                |
| OD   | optical density                       |
| OPD  | o-Phenylenediamine                    |
| ORF  | open reading frame                    |
| PA   | particle agglutination                |
| PBMC | peripheral blood mononuclear cells    |
| PBS  | phosphate buffer saline               |
| PC5  | Phycoerythrin-cyanin 5                |
| PCP  | <i>Pneumocystis carinii</i> Pneumonia |
| PCR  | polymerase chain reaction             |
| PE   | phycoerythrin                         |
| PMA  | phorbol 12-myristate 13-acetate       |
| pmol | picromol                              |
| Pol  | Polymerase                            |
| PPC  | Parallel Processing Center            |
| PR   | protease                              |
| Rev  | regulator                             |
| RNA  | ribonucleic acid                      |
| RP   | rapid progressor                      |
| rpm  | revolutions per minute                |
| RT   | reverse transcriptase                 |
| SDF  | stromal cell-derived factor           |

|            |   |
|------------|---|
| SI         | syncytium-inducing                                    |
| sIgA       | secretory IgA   |
| SSC        | side scatter  |
| STD        | sexual transmitted disease                            |
| <i>Tat</i> | trans-activator                                       |
| Tc         | T cytotoxic   |
| TCR        | T cell receptor                                       |
| TGF        | Transforming growth factor                            |
| TH         | T-helper cells  |
| Th         | T helper lymphocytes                                  |
| TMB        | hydrogen peroxide-3,3', 5,5'-<br>tetramethylbenzidine |
| TNF        | Tumor necrosis factor                                 |
| TPs        | typical progressors                                   |
| Ts         | T suppressor lymphocytes                              |
| T-tropic   | T lymphocyte-tropic                                   |
| VCAM       | vascular cell adhesion molecule                       |
| <i>Vif</i> | viral infectivity factor                              |
| vol        | volume  |
| wt         | weight  |

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