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ABBREVIATIONS

% percent
β beta
Δ delta
γ gamma
μ micro
μg microgram
μl microliter
°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
<table>
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<tr>
<td>CXCR4</td>
<td>CXC-chemokine receptor 4</td>
</tr>
<tr>
<td>DNA</td>
<td>deoxyribonucleic acid</td>
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<tr>
<td>dNTP</td>
<td>deoxynucleotide triphosphate</td>
</tr>
<tr>
<td>DTH</td>
<td>delayed type-hypersensitivity</td>
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<tr>
<td>EDTA</td>
<td>Ethylenediaminetetraacetic acid</td>
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<tr>
<td>EIA</td>
<td>enzyme immunoassay</td>
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<td>ELISA</td>
<td>enzyme linked immunosorbent assays</td>
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<td>Env</td>
<td>envelope</td>
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<tr>
<td>ES</td>
<td>exposed seronegative</td>
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<td>EtOH</td>
<td>ethanol</td>
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<td>EU</td>
<td>exposed uninfected</td>
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<td>FACS</td>
<td>fluorescence-activated cell sorter</td>
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<td>FIFA</td>
<td>flowcytometric immunofluorescence assay</td>
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<td>FITC</td>
<td>Fluorescein isothiocyanate</td>
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<td>FSC</td>
<td>forward scatter</td>
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<tr>
<td>g</td>
<td>gram or gravity</td>
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<tr>
<td>GM-CSF</td>
<td>granulocyte-macrophage colony-stimulating factor</td>
</tr>
<tr>
<td>gp</td>
<td>glycoprotein</td>
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<tr>
<td>GPA</td>
<td>gelatin particle agglutination</td>
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<td>HEPS</td>
<td>highly exposed persistently seronegative</td>
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<tr>
<td>HIV</td>
<td>human immunodeficiency viruses</td>
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<tr>
<td>HRPO</td>
<td>horseradish peroxidase</td>
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<tr>
<td>ICCS</td>
<td>intracellular Cytokine Staining</td>
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<tr>
<td>ICD</td>
<td>immune-complex dissociation</td>
</tr>
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<td>IDUs</td>
<td>intravenous drug users</td>
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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 Phycoerythin-cyanin 5
PCP Pneumocystis carinii 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
Tat 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’- tetramethylbenzidine
TNF Tumor necrosis factor
TPs typical progressors
Ts T suppressor lymphocytes
T-tropic T lymphocyte-tropic
VCAM vascular cell adhesion molecule
Vif viral infectivity factor
vol volume
wt weight