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LIST OF ABBREVIATIONS

$\times g$	=	Acceleration gravity
$^{\circ}\text{C}$	=	Degree(s) Celsius
μg	=	Microgram(s)
μl	=	Microliter(s)
μm	=	Micrometer(s)
B cell	=	Bursa produced cell
bp	=	Base pair(s)
BSA	=	Bovine serum albumin
cDNA	=	Complementary deoxyribonucleic acid
CDR	=	Complementary determining region
DC	=	Dendritic cell
DDW	=	Deionized distilled water
DEPC	=	Diethylpyrocarbonate
DNA	=	Deoxyribonucleic acid
dNTP	=	Deoxynucleotide triphosphate
DW	=	Distilled water
EDTA	=	Ethylenediamine tetraacetic acid
ELISA	=	Enzyme linked-immunosorbent assay
<i>et al</i>	=	<i>et alli</i>
FACS	=	Fluorescent-activated cell sorting
Fc	=	Fragment of crystallized
g	=	Gram(s)

LIST OF ABBREVIATIONS (Continued)

HPAI	=	Highly pathogenic avian influenza
HRP	=	Horseradish peroxidase
ICR	=	Institute cancer research
IPTG	=	Isopropyl-1-thio- β -D-galactopyranoside
kDa	=	Kilodalton(s)
kg(s)	=	Kilogram(s)
L (l)=	=	Liter(s)
LB	=	Luria Bertani (broth)
M	=	Mole
MALDI-TOF	=	Matrix-assisted laser desorption/ionization Time of flight
mAmp	=	Milliampere(s)
mg	=	Milligram(s)
MHC	=	Major histocompatibility
min	=	Minute(s)
ml	=	Milliliter(s)
mm	=	Millimeter(s)
mM	=	Millimolar(s)
<i>Mr</i>	=	Relative molecular mass
mRNA	=	Messenger ribonucleic acid
MW	=	Molecular weight
NC	=	Nitrocellulose membrane

LIST OF ABBREVIATIONS (Continued)

ng	=	Nanogram(s)
NK-T cell	=	Natural killer cell
nm	=	Nanometer(s)
OD	=	Optical density(-ies)
PB	=	Phosphate buffer
PBS	=	Phosphate buffered saline
PBS-T	=	Phosphate buffered saline containing Tween-20
PCR	=	Polymerase chain reaction
pH	=	Negative logarithm of hydrogen ion activity
PMFs	=	Peptide mass fingerprint
PPD	=	<i>p</i> -Phenylene-diamine dihydrochloride
RNA	=	Ribonucleic acid
RNase	=	Ribonuclease
rpm	=	Round(s) per minute
RT-PCR	=	Reverse transcription polymerase chain reaction
ScFv	=	Single Chain Variable Fragment
SDS	=	Sodium dodecyl sulfate
SDS-PAGE	=	Sodium dodecyl sulfate-polyacrylamide gel electrophoresis
T cell	=	Thymus produced cell
TCR	=	T cell receptor
TEMED	=	N, N, N',N',-tetramethylenediamine

LIST OF ABBREVIATIONS (Continued)

U/ μ l	=	Unit(s) per microliter
U/g	=	Unit(s) per gram
UDW	=	Ultrapure distilled water
V	=	Volts
v/v	=	Volume by volume
VH	=	Heavy chain variable domain
VL	=	Light chain variable domain
w/v	=	Weight by volume
w/w	=	Weight by weight