

## Abbreviations

|            |                                                                                  |
|------------|----------------------------------------------------------------------------------|
| A (Ala)    | alanine                                                                          |
| Ab         | antibody                                                                         |
| ANOVA      | analysis of variance                                                             |
| APC        | antigen presenting cell                                                          |
| APC        | allophycocyanin                                                                  |
| APV        | avian pneumovirus                                                                |
| ATCC       | American type culture collection                                                 |
| aut        | autologous                                                                       |
| BAL        | broncho-alveolar lavage                                                          |
| BB         | albumin-binding domain of streptococcal protein G                                |
| BBG2Na     | G2Na fused to BB                                                                 |
| BLCL       | B lymphoblastic cell line                                                        |
| BLCL-hRSV  | B lymphoblastic cell line infected with hRSV                                     |
| BPL        | beta-propiolactone                                                               |
| bRSV       | bovine respiratory syncytial virus                                               |
| C (Cys)    | cysteine                                                                         |
| CBMC       | cord blood mononuclear cells                                                     |
| CD         | cluster of differentiation                                                       |
| CM         | culture medium                                                                   |
| cpts       | cold-passaged temperature-sensitive                                              |
| Ct         | cycle threshold                                                                  |
| CTL        | cytotoxic T lymphocyte                                                           |
| D (Asp)    | aspartic acid                                                                    |
| DC         | dendritic cell                                                                   |
| DIF        | direct immunofluorescence                                                        |
| DNA        | desoxyribonucleic acid                                                           |
| E (Glu)    | glutamic acid                                                                    |
| ECACC      | European collection of cell cultures                                             |
| EDTA       | ethylene-diamine-tetraacetic acid                                                |
| E:T ratio  | effector-to-target ratio                                                         |
| ELISA      | enzyme-linked immunosorbent assay                                                |
| ELISPOT    | ELISA-based spot assay                                                           |
| Erasmus MC | Erasmus Medical Center                                                           |
| F (Phe)    | phenylalanine                                                                    |
| F          | respiratory syncytial virus fusion protein                                       |
| FACS       | fluorescence activated cell scanner                                              |
| FAM        | 6-carboxy-fluorescein                                                            |
| FBS        | fetal bovine serum                                                               |
| FHA        | family history of atopy                                                          |
| FI-bRSV    | formalin-inactivated bovine respiratory syncytial virus                          |
| FI-hRSV    | formalin-inactivated human respiratory syncytial virus                           |
| FITC       | fluorescein isothiocyanate                                                       |
| FSC        | forward scatter                                                                  |
| G (Gly)    | glycine                                                                          |
| G          | respiratory syncytial virus attachment protein                                   |
| G2Na       | bacterially-expressed central conserved domain of hRSV G (G <sub>130-230</sub> ) |
| G-CSF      | granulocyte colony stimulating factor                                            |
| GM-CSF     | granulocyte/monocyte colony stimulating factor                                   |
| GVHD       | graft-versus-host disease                                                        |
| h          | hour(s)                                                                          |
| H (His)    | histidine                                                                        |
| HAI        | haemagglutination inhibition                                                     |

|          |                                                                  |
|----------|------------------------------------------------------------------|
| HI       | heat-inactivated                                                 |
| HLA      | human leukocyte antigen                                          |
| hMPV     | human metapneumovirus                                            |
| HPS      | human pooled serum                                               |
| hRSV     | human respiratory syncytial virus                                |
| hRSV-A   | human respiratory syncytial virus subgroup A                     |
| hRSV-B   | human respiratory syncytial virus subgroup B                     |
| I (Ile)  | isoleucine                                                       |
| ICAM     | intracellular adhesion molecule                                  |
| ID       | identification                                                   |
| IFN      | interferon                                                       |
| Ig       | immunoglobulin                                                   |
| IHW      | international histocompatibility workshop                        |
| IL       | interleukin                                                      |
| i.m.     | intra-muscular                                                   |
| i.n.     | intra-nasal                                                      |
| i.t.     | intra-tracheal                                                   |
| IU       | international units                                              |
| K (Lys)  | lysine                                                           |
| L (Leu)  | leucine                                                          |
| L        | respiratory syncytial virus major polymerase subunit             |
| LRTI     | lower respiratory tract infection                                |
| M (Met)  | methionine                                                       |
| M        | respiratory syncytial virus matrix protein                       |
| M2-1     | respiratory syncytial virus anti-termination factor              |
| M2-2     | respiratory syncytial virus RNA regulatory protein               |
| mAb      | monoclonal antibody                                              |
| MCP      | monocyte chemotactic protein                                     |
| MHC      | major histocompatibility complex                                 |
| MIP      | macrophage inflammatory protein                                  |
| moi      | multiplicity of infection                                        |
| mRNA     | messenger ribonucleic acid                                       |
| MV       | measles virus                                                    |
| MVA      | modified vaccinia virus Ankara                                   |
| N (Asn)  | asparagine                                                       |
| N        | respiratory syncytial virus nucleocapsid protein                 |
| NaCl     | sodiumchloride                                                   |
| NBC      | nasal brush cell                                                 |
| NBT/BCIP | nitro-blue-tetrazolium chloride / bromo-chloro-indolyl phosphate |
| NBTC     | nasal brush T cell                                               |
| NCBI     | national center for biotechnology information                    |
| NIH      | national institutes of health                                    |
| nm       | nanometer                                                        |
| NS1      | respiratory syncytial virus nonstructural protein 1              |
| NS2      | respiratory syncytial virus nonstructural protein 2              |
| nt       | not tested                                                       |
| OD       | optical density                                                  |
| OVA      | ovalbumin                                                        |
| P (Pro)  | proline                                                          |
| P        | respiratory syncytial virus phosphoprotein                       |
| PBMC     | peripheral blood mononuclear cells                               |
| PBS      | phosphate buffered saline                                        |
| PE       | phycoerythrin                                                    |
| PerCP    | peridin chlorophyl protein                                       |
| pfu      | plaque-forming units                                             |