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LIST OF ABBREVIATIONS:

| | |
|--------|---|
| EDTA | <i>Ethylenediaminetetraacetic Acid</i> |
| HLA | <i>Human leukocyte antigen</i> |
| ITAM | <i>Immunoreceptor Tyrosine-based Activation Motif</i> |
| ITIM | <i>Immunoreceptor Tyrosine-based Inhibition Motif</i> |
| NK | <i>Natural Killer Cells</i> |
| KIR | <i>Killer cell Immunoglobulin like Receptors</i> |
| MHC | <i>Major Histocompatibility Complex</i> |
| PDB | <i>Protein Data BaNK</i> |
| RCSB | <i>Research Collaboratory for Structural Bioinformatics</i> |
| TCR | <i>T Cell Receptors</i> |
| TNF | <i>Tumor Necrosis Factor</i> |
| NCBI | <i>National Centre for Biotechnology Information</i> |
| CTL | <i>Cytotoxic T Lymphocytes</i> |
| IFN | <i>Interferon</i> |
| HSC | <i>hematopoietic stem cells</i> |
| GM-CSF | <i>Granulocyte Macrophage Colony- Stimulating Factor</i> |
| NCR | <i>Natural Cytotoxicity Receptor</i> |
| TRAIL | <i>TNF-Related Apoptosis-Inducing Ligand</i> |
| IL | <i>Interleukin</i> |
| TGF | <i>Transforming Growth Factor</i> |
| MCMV | <i>murine cytomegalovirus</i> |

| | |
|----------|--|
| LAK | <i>Lymphokine Activated Killer</i> |
| IDO | <i>Indoleamine 2,3-dioxygenase</i> |
| ADCC | <i>antibody-dependent cellular cytotoxicity</i> |
| DMSO | <i>Dimethyl sulfoxide</i> |
| RIPA | <i>Radio-Immunoprecipitation Assay</i> |
| BCA | <i>Bicinchoninic Acid</i> |
| BSA | <i>Bovine Serum Albumin</i> |
| APC | <i>Antigen Presenting Cell</i> |
| SDS-PAGE | <i>sodium dodecyl sulfate polyacrylamide gel electrophoresis</i> |
| MCSA | <i>Moloney cell surface antigen</i> |
| TAMPs | <i>tumor-associated molecular patterns</i> |
| iMC | <i>immature myeloid cells</i> |
| sMICA | <i>soluble MHC class I-related chain A gene</i> |
| TDFs | <i>tumor-derived factors</i> |
| ARG | <i>Arginase</i> |
| NOS | <i>Nitric oxide synthase</i> |
| ACE | <i>atomic contact energy</i> |
| Mo-MuLV | <i>Moloney murine leukemia virus</i> |
| RPMI | <i>Roswell Park Memorial Institute Medium</i> |
| TEMED | <i>N,N,N',N' - Tetramethylethylenediamine</i> |
| SSB | <i>Sample solubilizing buffer</i> |