



Please find below a list of approved abbreviations for the *Journal of Reproductive Immunology*:

Å, angstrom  
aa, amino acid (only with numbers)  
Ab, antibody  
ANOVA, analysis of variance  
ATP, adenosine triphosphate (also ADP, AMP, CMP, CTP, GDP, GMP, GTP, ITP, NTP, TMP, UDP and UTP)  
bp, base pair (only with numbers)  
BSA, bovine serum albumin  
cAMP, cyclic AMP  
cDNA, complementary DNA  
Ci, curie  
cpm, counts per minute  
cRNA, complementary RNA  
CSF, colony-stimulating factor  
d, deoxy; distilled (as in dH<sub>2</sub>O)  
Da, dalton (only with numbers)  
df, degrees of freedom  
DMEM, Dulbecco's modified Eagle's medium  
DMSO, dimethylsulfoxide  
DNA, deoxyribonucleic acid  
DNase, deoxyribonuclease  
dNTP, 2'-deoxynucleoside 5'-triphosphate  
dpm, disintegrations per minute  
ds, double-stranded (as dsDNA)  
DTT, dithiothreitol  
EC<sub>50</sub>, 50% effective concentration  
ED<sub>50</sub>, 50% effective dose  
EDTA, ethylenediaminetetraacetic acid  
EGTA, ethylene glycol-bis(b-aminoethyl ester)-*N,N,N',N'*-tetraacetic acid  
ELISA, enzyme-linked immunosorbent assay  
ELISPOT, enzyme-linked immunospot  
FACS, fluorescence-activated cell sorter  
FBS, fetal bovine serum  
FCS, fetal calf serum  
FITC, fluorescein isothiocyanate

g, gram (only with numbers)  
GAPDH or G3PDH, glyceraldehyde-3-phosphate dehydrogenase  
gp, glycoprotein (e.g., gp100)  
h, hour (only with numbers)  
HBSS, Hanks' balanced salt solution  
HEPES, *N*-2-hydroxyethylpiperazine-*N'*-2-ethanesulfonic acid  
HLA, human leukocyte Antigen  
IC<sub>50</sub>, 50% inhibition/inhibitory concentration  
ID<sub>50</sub>, 50% infective dose or 50% inhibiting dose  
IFN, interferon (e.g., IFN $\gamma$ )  
IL, interleukin (e.g., IL-2)  
i.m., intramuscular  
i.p., intraperitoneal  
i.v., intravenous  
kb, kilobase (only with numbers)  
kbp, kilobase pair (only with numbers)  
K<sub>a</sub>, association constant  
K<sub>d</sub>, distribution coefficient; dissociation constant  
K<sub>D</sub>, affinity constant  
kDa, kilodalton (only with numbers)  
LD<sub>50</sub>, 50% lethal dose  
LPS, lipopolysaccharide  
mAb, monoclonal Ab  
2-ME, 2-mercaptoethanol  
MALDI, matrix-assisted laser desorption ionization  
MALDI-TOF, matrix-assisted laser desorption ionization-time of flight  
MEM, minimum essential medium  
mg, milligram (only with numbers)  
MHC, major histocompatibility complex  
min, minute (only with numbers)  
ml, milliliter (only with numbers)  
mo, month(s) (only with numbers)  
M<sub>r</sub>, relative molecular mass  
mRNA, messenger RNA  
 $\mu$ g, microgram (only with numbers)  
 $\mu$ l, microliter (only with numbers)  
m.w., molecular weight  
*n*, number in study or group  
NAD, nicotinamide adenine dinucleotide  
NADH, reduced NAD  
NADP, NAD phosphate  
NADPH, NAD phosphate (reduced)  
NK cell, natural killer cell  
nt, nucleotide (only with numbers)  
OD, optical density  
*p*, probability  
PAGE, polyacrylamide gel electrophoresis  
PBL, peripheral blood lymphocyte  
PBMC, peripheral blood mononuclear cell  
PBS, phosphate-buffered saline  
PCR, polymerase chain reaction  
PE, phycoerythrin

PIPES, piperazine-*N,N'*-bis(2-ethane sulfonic acid)  
PMA, phorbol myristate acetate  
PMSF, phenylmethylsulfonyl fluoride  
r, recombinant, (e.g., rIFN-g)  
RBC, red blood cell  
RIA, radioimmunoassay  
RNA, ribonucleic acid  
RNase, ribonuclease  
rpm, revolutions per minute  
rRNA, ribosomal RNA  
RT-PCR, reverse transcriptase polymerase chain reaction  
s, second (use only with numbers)  
s.c., subcutaneous  
SD, standard deviation  
SDS, sodium dodecyl sulfate  
SE, standard error  
SEM, standard error of the mean  
ss, single-stranded (e.g., ssDNA)  
SSC, standard saline citrate  
 $t_{1/2}$ , half-life, half-time  
TLC, thin layer chromatography  
TGF, transforming growth factor (e.g., TGF $\beta$ )  
TNF, tumor necrosis factor (e.g., TGF $\alpha$ )  
Tris, tris (hydroxymethyl) aminomethane  
tRNA, transfer RNA  
TUNEL, Tdt-mediated dUTP nick end labeling  
U, unit (only with numbers)  
UV, ultraviolet  
v/v, volume to volume ratio (%)  
W, watt (only with numbers)  
wk, week (only with numbers)