

Abbreviations

7-AAD	7-amino-actinomycin D
ACD	Acid citrate dextrose
ANOVA	Analysis of variance
APAF-1	Apoptotic protease activating factor 1
APC	Allophycocyanin
APRIL	A proliferation inducing ligand
ATP	Adenosine triphosphate
B2M	Beta-2-microglobulin
BAFF	B lymphocyte stimulator
Bas	Basophils
BCA-1	B-cell attracting chemokine-1
BCMA	B-cell maturation factor
bHLH	Basic helix-loop-helix
BLC	B lymphocyte chemoattractant
BTLA	B and T lymphocyte-attenuator protein
β-ME	β-mercaptoethanol
CASP	Caspase
CCL	CC Chemokine ligand
CCR	CC Chemokine receptor
CD	Cluster of differentiation
cDNA	Complementary Deoxyribonucleic acid
CFDA-SE	Carboxyfluorescein diacetate, succinimidyl ester
CIA	Collagen-induced arthritis
cRNA	complementary ribonucleic acid
CSL	Cadasil
CSR	Class switch recombination
CTLA-4	Cytotoxic T-lymphocyte associated protein 4
CTNNAL1	Catenin (cadherin-associated protein), alpha-like 1
CTP	Cytidine triphosphate
CVID	Common variable immunodeficiency
CXCL	CXC Chemokine ligand
CXCR	CXC Chemokine receptor
Cy	Cyanine
DC	Dendritic cell
DEPC	Diethyl pyrocarbonate
DISC	Death inducing signaling complex
DMSO	Dimethyl Sulfoxide
DNA	Deoxyribonucleotide
DNase	Deoxyribonuclease
DNTP	Deoxyribonucleotide phosphate
DTT	Dithiothretol
DTX	Deltex
DUSP	Dual specificity phosphatase
EAE	Experimental allergic encephalomyelitis
ECL	Enhanced chemiluminescence
EDG1	Endothelial differentiation, sphingolipid G-protein-coupled receptor, 1
EDTA	Ethylenediaminetetraacetic acid

ABBREVIATIONS

ELC	EBI1 ligand chemokine
ELISA	Enzyme linked immunosorbent assay
Eos	Eosinophils
FACS	Fluorescent activated cell sorting
FADD	Fas associated death domain
FCS	Fetal calf serum
FDC	Follicular dendritic cell
FITC	Fluorescence isothiocyanate
FZD	Frizzled
GAPDH	Glyceraldehyde 3-phosphate dehydrogenase
GC	Germinal center
GPCR	G-protein coupled receptor
GTP	Guanosine triphosphate
GZM	Granzyme
HCl	Hydrochloric acid
HEVs	High endothelial venules
ICAM-1	Intracellular adhesion molecule-1
ICOS	Inducible Co-stimulator
ICOS	Inducible Co-stimulator ligand
IFN- γ	Interferon- γ
Ig	Immunoglobulin
IGFR-1	Insulin-like growth factor receptor 1
IL	Interleukin
ITGA	Integrin, alpha
ITGB	Integrin, beta
JAG	Jagged
KLH	keyhole limpet hemocyanin
LCDA	Light cycler data analysis
LFA	Lymphocyte function-associated antigen
LIF	Leukemia inhibitory factor
MACS	Magnetic cell sorting
MAdCAM-1	Mucosal addressin cell adhesion molecule-1
MAL	Myelin and lymphocyte protein
MBP	Myelin basic protein
MC	Mast cell
MHC	Major histocompatibility complex
MM	Mismatch
Mo	Monocytes
mRNA	messenger ribonucleic acid
NaCl	Sodium chloride
NaOH	Sodium hydroxide
NFATC	Nuclear factor of activated T-cells, cytoplasmic
NF- κ B	Nuclear Factor- κ B
NH ₄ OAc	Ammonium acetate
NIC	Intracellular domain of notch
NK	Natural Killer cell
NP40	Nonidet P-40
NTRK3	Neurotrophic tyrosine kinase, receptor, type 3
PBMC	Peripheral blood mononuclear cells
PBS	Phosphate buffered saline

ABBREVIATIONS

PBST	Phosphate buffered saline tween
PCA	Principal component analysis
PCR	Polymerase chain reaction
PD-1	Programmed cell death 1
PE	Phycoerythrin
PECAM1	Platelet/endothelial cell adhesion molecule (CD31 antigen)
PerCP	Peridinin chlorophyll
pH	Power of hydrogen
PI3K	Phosphatidylinositol 3-kinase
Plt	Paucity of lymph node T cell
PM	Perfect match
PNA _d	Peripheral lymph node addressin
PRF1	Perforin 1
Pro	Progenitor cells
PTPN13	Protein tyrosine phosphatase, non-receptor type 13
RGS	regulator of G-protein signalling
RNA	Ribonucleic acid
RNase	Ribonuclease
RPM	Revolutions per minute
RPMI	Rosewell park memorial institute
RT	Reverse Transcriptase
RT-PCR	Reverse transcription polymerase chain reaction
S1P1	sphingosine-1-phosphate 1
SDF-1	Stromal cell-derived factor 1
SDS	Sodium dodecyl sulfate
SHM	Somatic hypermutation
SLC	Secondary lymphoid tissue chemokine
SLE	Systemic lupus erythematosus
SOCS	Suppressor of cytokine signaling
SOM	Self organizing maps
STAT	Signal transducer and activator of transcription
SYK	Spleen tyrosine kinase
TAC1	Transmembrane activator and CAML interactor
T _{CM}	T central memory
TCR	T Cell antigen receptor
TE-Buffer	Tris/EDTA-Buffer
T _{EM}	T effector memory
T _{FH}	Follicular B helper T cells
Th1	T helper 1
Th2	T helper 2
Thy	Thymocytes
TMNC	Tonsillar mononuclear cells
TNF	Tumor necrosis factor
TNFR	Tumor necrosis factor receptor
Tris	Tris-(hydroxymethyl)-aminomethan
TSHR	Thyroid stimulating hormone receptor
TTP	Thymidine triphosphate
UTP	Uridine triphosphate
VDR	vitamin D (1,25- dihydroxyvitamin D3) receptor
Φ	Macrophage