

## Abbreviations

AAV	adeno-associated virus
AFP	$\alpha$ -fetoprotein
AICD	activation induced cell death
ALL	acute lymphoblastic leukaemia
allo-SCT	allogeneic stem-cell transplantation
AP-1	activator protein-1
APC	antigen presenting cell
ATL	adult T cell leukaemia
BLU	Boehringer light unit
C	TCR constant region
CA IX	carbonic anhydrase 9
CAR	chimeric antibody receptor
CD	cluster of differentiation
cDNA	complementary deoxyribonucleic acid
CDR	complementarity-determining region
CEA	carcinoembryogenic antigen
CML	chronic myelogenous leukaemia
CMV	cytomegalovirus
cpm	counts per minute
CTE	constitutive RNA transport element
CTL	cytolytic T lymphocyte
D	TCR diversity region
DC	dendritic cell
DMEM	Dulbecco's modified Eagle's medium
DNA	deoxyribonucleic acid
EBV	Epstein-Barr virus
ELISA	enzyme-linked immunosorbent assay
enr	enriched
env	envelope
erbB-2	human epidermal growth factor receptor 2
FACS	fluorescence-activated cell sorting
FcR	Fc receptor
FCS	foetal calf serum
Fig	figure
FITC	fluorescein isothiocyanate
GaLV	Gibbon ape leukaemia virus
GAPDH	glyceraldehyde-3-phosphate dehydrogenase
gDNA	genomic deoxyribonucleic acid
GFP	green fluorescent protein
GFU	green colony-forming unit
gp100	glycoprotein 100
GM-CSF	granulocyte-macrophage colony stimulating factor
GvL	graft-versus-leukaemia
HBV	hepatitis B virus
HER-2/Neu	see erbB-2
HIV	human immunodeficiency virus
HLA	human leukocyte antigen
HPV	human papilloma virus

HTLV-1	human T cell lymphotropic virus-1
IFN- $\gamma$	interferon- $\gamma$
Ig	immunoglobulin
IRES	internal ribosomal entry site
ITAM	immunoreceptor tyrosine-based activation motif
J	TCR joining region
kbp	kilo base pair
$K_d$	dissociation constant
LAK	lymphokine activated killer
LCL	B-lymphoblastoid cell line
LCMV	lymphocyte choriomeningitis virus
LCR	locus control region
LTR	long terminal repeat
mAb	monoclonal antibody
MACS	magnetic cell sorting
MAGE	melanoma antigen encoding gene
MART-1	melanoma antigen recognised by T cells-1
Melan-A	melanoma antigen A
MESV	mouse embryonic stem cell virus
MFI	mean fluorescence intensity
MHC	major histocompatibility complex
MOI	multiplicity of infection
MoMLV	Moloney murine leukaemia virus
MPSV	myeloproliferative sarcoma virus
mRNA	messenger ribonucleic acid
NEO	neomycin resistance gene
NFAT	nuclear factor of activated T cells
NF- $\kappa$ B	nuclear factor $\kappa$ B
NK	natural killer cell
NKC	normal kidney cell line
NY-ESO-1	New York-esophagus 1
PBL	peripheral blood lymphocyte
PBMC	peripheral blood mononuclear cell
PBS	phosphate-buffered saline
PCMV	PCC4-embryonal carcinoma cell-passaged myeloproliferative sarcoma virus
PCR	polymerase chain reaction
PE	phycoerythrin
PGK	phosphoglycerate kinase
PKC	protein kinase C
PRE	post-transcriptional regulatory element
RAG	recombination-activating gene
RCC	renal cell carcinoma
RNA	ribonucleic acid
RT-PCR	reverse transcriptase-polymerase chain reaction
SAR	scaffold attachment region
scFv	single-chain variable fragment
SCID	severe combined immunodeficiency
SEREX	serological analysis of recombinant cDNA expression libraries of tumours
SIN	self-inactivating retroviral vector

SV40	simian virus 40 promoter
TAA	tumour-associated antigen
Tab	table
TCR	T cell receptor
TIL	tumour infiltrating lymphocyte
TNF	tumour necrosis factor
TSA	tumour-specific antigen
UTR	untranslated region
V	TCR variable region
VEGF	vascular endothelial growth factor
ZAP-70	$\zeta$ -associated protein kinase 70