

SUPPLEMENTARY TABLE 1

cell line	MFI (HLA-A2)
UT-SCC-15	9358 *
U-373	5823
FM-86	1925
KT-195	-
KT-195-VC	-
KT-195-A2	958

HLA-A2 expression on tumor cells. Listed tumor cell lines were stained with an HLA-A2-specific antibody and analyzed by flow cytometry to determine the level of HLA-A2 expression. The mean fluorescence intensity (MFI) of antibody-labeled cells is shown. (*) MFI at upper level of detection

SUPPLEMENTARY TABLE 2

#TAA	forward primer (5'-3')	reverse primer (5'-3')
1 EGFR	ACAACACCCTGGTCTGGAAG	CCTCAAGAGAGCTTGGTTGG
2 MART-1/melan-A	ACTGCTCATCGGCTGTTG	CACCTGAGACATGCTGA
3 NY-ESO-1	CACTGTGTCCGGCAACATAC	CTCCTCCAGCGACAAACAAT
4 Tyrosinase	Search-LC, Heidelberg, Germany	
5 WT-1	TGAATTAGTCCGCCATCACA	CCAGGCACACCTGGTAGTTT
6 EphA2	AAAGCCGGCTACACAGAGAA	TCAGACACCTTGCAGACCAG
7 PSA	CCAAGTTCATGCTGTGTGCT	GGAGTTGATAGGGGTGCTCA
8 FLT3	TGTCGAGCAGTACTCTAAACATG	CTTTCAGCATTTTGTACGGCAACC
9 CASP-1	GCTGTTTATCCGTTCCATGGGTG	TATGCAAGACTCTCAAGGAGTAC
10 CYP1B1	GCAGAATTGGATCAGGTCGT	TCATCACTCTGCTGGTCAGG
11 PRAME	ACCTGGAAGCTACCCAC	AGATGCATCACATCCCC
12 EPCAM	CGCAGCTCAGGAAGAATGTGT	TGAAGTACACTGGCATTGACG
13 CA9	GTCTCGCTTGGGAAGAAATCG	AGAGGGTGTGGAGCTGCTTA
14 hTERT	Search-LC, Heidelberg, Germany	
15 RGS5	CGTGATTCCCTGGACAAACT	TTTGCCTTCTCAGCCATCTT
16 MUC-1	GATGCCAGTAGCACTCACCA	AATCTGCAAAAAGTGGGGTG
17 VEGF	GGGCAGAATCATCACGAAGT	ATCTGCATGGTGATGTTGGA
18 p53	CATCCTGGCTGTAGGTAGCGAC	GCCCTGGAGGATATGGACCC
19 c-myc	CGCAAGACTCCAGCGCCTTCTC	GGCGCTGCGTAGTTGTGCTGATG
20 HMMR	AATGACCCTTCTGGTTGTGC	TCGAGACTCCTTTGGGTGAC
21 NPM1	TCCCAAAGTGGAAGCC	GGAAAGTTCTCACTCTGC
22 Survivin	Search-LC, Heidelberg, Germany	
18S rRNA	CGGCTACCACATCCAAGGAA	GCTGGAATTACCGCGGCT

EGFR: epidermal-growth-factor receptor, MART-1/Melan-A: melanoma-associated antigen recognized by T cells/melanoma antigen A, NY-ESO-1: cancer/testis antigen, WT-1: Wilms tumor 1, EphA2: anti-Eph receptor tyrosine kinase A2, PSA: prostate specific antigen, FLT3: FMS-like tyrosine kinase, CASP-1: caspase 1, CYP1B1: cytochrome P450 superfamily member, PRAME: preferentially expressed antigen in melanoma, EpCAM: epithelial cell adhesion molecule, CA9: carbonic anhydrase, hTERT: human telomerase reverse transcriptase, RGS5: regulator of G-protein signaling 5, MUC-1: Mucin-1, VEGF: vascular endothelial growth receptor, p53: protein p53, HMMR/RHAMM: hyaluronan-mediated motility receptor, NPM-1: Nucleophosmin