

**Supplementary Table S2: Antibodies used in the study**

REAGENT or RESOURCE	SOURCE	IDENTIFIER
FITC anti-Mouse CD45(Clone 30-F11)	Biolegend	Cat No. 103108 RRID: AB_312973
PE/Cyanine7 anti-Mouse CD3ε (Clone 145-2c11)	Biolegend	Cat No. 100320 RRID: AB_2076738
Alexa Fluro 647 anti-Mouse CD4 (Clone GK1.5)	Biolegend	Cat No. 100424 RRID: AB_389324
APC/Fire750 anti-Mouse CD8a (Clone 53-6.7)	Biolegend	Cat No. 100766 RRID: AB_2572113
PE anti-Mouse NK1.1(Clone PK136)	Biolegend	Cat No. 108707 RRID: AB_313394
PE anti-Mouse Foxp3 (Clone MF-14)	Biolegend	Cat No. 126403 RRID: AB_1089118
PE anti-Mouse Gzmb (Clone QA16A02)	Biolegend	Cat No. 372207 RRID: AB_2687031
Alexa Fluro 647 anti-Mouse IFN $\gamma$ , (Clone XMG1.2)	Biolegend	Cat No. 505816 RRID: AB_493315
PE anti-Mouse H-2Kb/Db (Clone 28-8-6)	Biolegend	Cat No. 114608 RRID: AB_313599
TruStain FcX™ (anti-mouse CD16/32) (Clone 93)	Biolegend	Cat No. 101319 RRID: AB_1574973
Purified anti-Mouse CD45 (Clone 30-F11)	Biolegend	Cat No. 103101 RRID: AB_312966
Rabbit anti-phospho-Akt(Ser473)(D9E) polyclonal antibody	Cell Signaling Technology	Cat No. 4060S RRID: AB_2315049
Rabbit anti-phospho-Akt(Thr308)(244F9) monoclonal antibody	Cell Signaling Technology	Cat No. 4056S RRID: AB_331163
Rabbit anti-Akt (pan) (C67E7) monoclonal antibody	Cell Signaling Technology	Cat No. 4691S RRID: AB_915783
Rabbit anti-Phospho-4E-BP1(Thr37/46)(236B4) monoclonal antibody	Cell Signaling Technology	Cat No. 2855S RRID: AB_560835
Rabbit anti-Acetyl-Histone H3 (Lys9) (C5B11) monoclonal antibody	Cell Signaling Technology	Cat No. 9649S RRID: AB_823528
Mouse anti-Acetyl- $\alpha$ -Tubulin (Lys40) (6-11B-1) monoclonal antibody	Cell Signaling Technology	Cat No. 12152S RRID: AB_2797830
Rabbit anti- $\alpha$ -Tubulin polyclonal antibody	Cell Signaling Technology	Cat No. 2144S RRID: AB_2210548
Rabbit Acetyl-p53 (Lys382) polyclonal antibody	Cell Signaling Technology	Cat No. 2525S RRID: AB_330083
Mouse anti-p53 (1C12) monoclonal antibody	Cell Signaling Technology	Cat No. 2524S RRID: AB_331743
Rabbit anti-Acetyl-p53 (Lys370) monoclonal antibody	Zenbio	Cat No. 381033
Rabbit anti-Ki67 polyclonal antibody	Proteintech Inc	Cat No. 27309-1 RRID: AB_2756525
Rabbit anti-rabbit Nrf2 monoclonal antibody	Proteintech Inc	Cat No. 16396-1 RRID: AB_2782956
Rabbit anti-GPX4 polyclonal antibody	Proteintech Inc	Cat No. 14432-1 RRID: AB_10898356

Rabbit anti-Phospho-STAT1(S727) polyclonal antibody	Boster	Cat No. BM4541
Rabbit anti- STAT1polyclonal antibody	Proteintech Inc	Cat No. 10144-2 RRID: AB_2286875