

REAGENT	CATALOGUE NUMBER
MILLIPLEX MAP Human TH17 Magnetic Bead Panel - Immunology Multiplex Assay	Millipore – HTH17MAG-14K
Dynabeads™ Untouched™ Human CD8 T Cells Kit	Invitrogen- 11348D
BD FACS™ FACS Lysing Solution	BD Biosciences- 349202
Dynabeads™ Human T-Activator CD3/CD28 for T Cell Expansion and Activation	Gibco- 11132D
Human TruStain FcX™ (Fc Receptor Blocking Solution)	Biolegend- 422302
BD Cytofix/Cytoperm™	BD Biosciences- 554714
eBioscience™ Foxp3 / Transcription Factor Staining Buffer Set	Invitrogen- 11348D
CellROX™ Deep Red Flow Cytometry Assay Kit	Invitrogen- C10491
MitoTracker™ Red CMXRos Dye, for flow cytometry	Invitrogen- M46752
Menadione	Sigma Aldrich M9429
N-Acetyl-L-cysteine (NAC)	Sigma Aldrich A9165
Anti-Human CD3 BV510	BD Biosciences- 740187
Anti-Human CD4 PECy7	BD Biosciences- 557852
Anti-Human CD8 AF700/BUV395	BD Biosciences- 561453/ 563795
Anti-Human CD278 (ICOS) PE	BD Biosciences- 557802
Anti-Human CXCR5(CD185) AF647	BD Biosciences- 558113
Zombie Fixable Viability™ Sampler Kit	Biolegend- 423117
Anti-Human pSTAT3 PE	BD Biosciences- 562072
Anti-Human pSTAT4 APC	Invitrogen- 17-9044-42
Anti-Human p-mTOR PECy7	Invitrogen- 25-9718-42

Anti-Human IFN-γ BV650/PECy7/AF-647	Biolegend/Invitrogen 502537/ 25-7319-41
Anti-Human IL-10 PE/BV 421	Invitrogen/Biolegend- 12-7108-82/ 501421
Anti-Human TNF-α BUV395/AF700	BD Biosciences- 563996/ 561023
Anti-Human Eomesdermin PECF594	BD Biosciences- 567167
Anti-Human Granzyme B PE	Biolegend- 372208
Anti-Human Perforin C AF594	Biolegend- 308124
Anti-Human T-bet PECy7	Invitrogen- 25-5825-82
Anti-Human Foxp3 PECy7/R718	Invitrogen/ BD Biosciences- 25-4777-42/ 566936
Anti-Human CD45 RO BV 605	BD Biosciences- 562791
Anti-Human CD45 RA BUV 496	BD Biosciences- 750258
FlowJO Version 10.8	BD Biosciences
Graph Pad Prism 9	Dotmatics Pvt Ltd.

Table S1: Reagents and software used in the study