Supplementary Figure 1. A. В. SSC-A CD27 CD28 CD8 PD-1 Tim-3 C. SSC-A CD8 PD-1 D. PD-1+/Tim-3+ SSC-A CD8 PD-1 Tim-3 PD-1+/Tim-3-SSC-A SSC-A SSC-A

Supplementary Figure 1 A. Dot plots displaying ungated staining of CD8+ CD27/CD28- T cells FACS sorted from human SCCHN tumor tissue and used in Figure 1D. **B.** Staining of CD8+ PD-1+ Tim-3+ T cells FACS sorted from dissociated human SCCHN tumor tissue and used in Figure 1E. **C.** Staining of CD8+ T cells purified from dissociated TC-1 tumors by magnetic bead positive selection using the indicated antibodies. **D.** Ungated staining of the PD-1+/Tim-3+, PD-1+/Tim-3-, and PD-1-/Tim-3- cells FACS sorted from CD3+ CD8+ T cells in dissociated TC-1 tumors.

SSC-A

Tim-3

Tim-3

CD8

CD8

SSC-A

PD-1-/Tim-3-

SSC-A

PD-1

PD-1