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(54) Title: ANTIGEN REACTIVE T-CELL RECEPTORS

(57) Abstract: The present invention relates to a method of identifying a T-cell reactive to cells presenting a T-cell activating antigen (cancer-reactive T-cell), comprising (a) determining expression of at least one of CCL4, CCL4L2, CCL3, CCL3L1, and CXCL13 in T-cells from a sample of a subject; and (b) identifying a cancer-reactive T-cell based on the determination of step (a). The present invention also relates to a method of identifying a TCR binding to a cancer cell of a subject, said method comprising (A) identifying a cancer reactive T-cell according to the afore-said method (B) providing the amino acid sequences of at least the complementarity determining regions (CDRs) of the TCR of the cancer-reactive T-cell identified in step (A); and, hereby, (C) identifying a TCR binding to a cancer cell. The present invention further relates to further methods and cancer-reactive T-cells related thereto.