

Resource Summary Report

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HTAPP_Depletion of CD45+ cells from ovarian cancer ascites single cell suspensions for single-cell RNA-Seq

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Proper Citation

Benjamin Izar, Parin Shah, Mei-Ju Su, Isaac Wakiro, Sara Napolitano, Jingyi Wu, Sébastien Vigneau, Asaf Rotem, Orit Rozenblatt-Rosen, Bruce Johnson, Aviv Regev 2020. HTAPP_Depletion of CD45+ cells from ovarian cancer ascites single cell suspensions for single-cell RNA-Seq. protocols.io
[dx.doi.org/10.17504/protocols.io.bhbij2ke](https://doi.org/10.17504/protocols.io.bhbij2ke)

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.bhbij2ke>

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Group: NCIHTAN

Summary: Many ovarian cancer ascites samples have a high proportion of CD45-expressing cells (>90%) (CD45+) and a low proportion (For the Human Tumor Atlas Pilot Project (HTAPP) this protocol was used to deplete CD45+ immune cells from single-cell suspensions obtained from ovarian cancer ascites, and is included as a step in the "HTAPP_Processing human ovarian cancer ascites to a single-cell suspension for single-cell RNA-seq" protocol, also available in protocols.io. It is adapted from the CD45 MicroBeads MACS Separation protocol from Miltenyi Biotec (Cat No 130-045-801). Description of this protocol and guidance for testing and selecting methods for processing different tumor and sample types can be found in Slyper et al.

Affiliations: Dana-Farber Cancer Institute;Human Tumor Atlas Pilot Project, Dana-Farber Cancer Institute;Human Tumor Atlas Pilot Project, Dana-Farber Cancer Institute;Human Tumor Atlas Pilot Project, Dana-Farber Cancer Institute, University of California, Santa Barbara, Dana-Farber Cancer Institute;Human Tumor Atlas Pilot Project, Dana-Farber Cancer Institute;Human Tumor Atlas Pilot Project, Dana-Farber Cancer Institute;Human Tumor Atlas Pilot Project, Dana-Farber Cancer Institute;Human Tumor Atlas Pilot Project, Broad Institute;Human Tumor Atlas Pilot Project, Dana-Farber Cancer Institute;Human Tumor Atlas Pilot Project, Broad Institute;Human Tumor Atlas Project;Massachusetts Institute of Technology;Howard Hughes Medical Institute

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