

年度	製品	タイトル	著者	ジャーナル	リンク
2025	PBMC	cGAS-STING signaling in the tumor microenvironment induces myeloid cell activation and favors T cell-mediated antitumor immunity.	Ren M, Ai ZE, Zhang Y, Shi L, Liu Y, Liu H, Shen H, Yao X, Yan Z.	Cancer Biol Ther. 2025 Nov 30;26(1):2585562	🔗
2025	CD34+ bone marrow progenitor cells	Systemic cytokines drive conserved severity-associated myeloid responses across bacterial and viral infections.	Kajihara K, Yan D, Seim GL, Little-Hooy H, Kang J, Chen C, De Simone M, Delemarre T, Darmanis S, Shivram H, Bauer RN, Rosenberger CM, Kapadia SB, Xu M, Reyes M.	Commun Biol. 2025 Jul 23;8(1):1096	🔗
2025	PBMNC300C, LE001F	Tumour-wide RNA splicing aberrations generate actionable public neoantigens.	Kwok DW, Stevers NO, Etxeberria I, Nejo T, Colton Cove M, Chen LH, Jung J, Okada K, Lakshmanachetty S, Gallus M, Barpanda A, Hong C, Chan GKL, Liu J et al.	Nature. 2025 Feb 19;639(8054):463-473	🔗
2024	PBMC	Nonclinical evaluations of deucravacitinib and Janus kinase inhibitors in homeostatic and inflammatory pathways.	Johnson B, Cheng L, Koenitzer J, Catlett IM, Schafer P.	Front Immunol. 2024 Sep 30;15:1437512	🔗
2024	PBMNC050C	UBX-390: A Novel Androgen Receptor Degradar for Therapeutic Intervention in Prostate Cancer	Lee S, Kim HR, Woo Y, Kim J, Kim HW, Park JY, Suh B, Choi Y, Ahn J, Ryu JH, Roe JS, Song J, Lee SH	Adv Sci (Weinh). 2024 Jul 3;11(33):e2400398	🔗
2024	SLE donor leukapheresis cells	Preclinical specificity & activity of a fully human 41BB-expressing anti-CD19 CART- therapy for treatment-resistant autoimmune disease	Peng BJ, Alvarado A, Cassim H, Guarneri S, Wong S, Willis J, SantaMaria J, Martynchuk A, Stratton V, Patel D, Chen CC, Li Y, Binder GK, Dryer-Minnerly R, Lee J, Basu S.	Mol Ther Methods Clin Dev. 2024 May 20;32(2):101267	🔗
2024	Plasma	The Expression and Secretion Profile of TRAP5 Isoforms in Gaucher Disease	Ivanova MM, Dao J, Loynab N, Noor S, Kasaci N, Friedman A, Goker-Alpan O.	Cells. 2024 Apr 20;13(8):716	🔗
2024	PBMC	Inhibition of NEK2 Promotes Chemosensitivity and Reduces KSHV-positive Primary Effusion Lymphoma Burden.	White MC, Wong JP, Damania B.	Cancer Res Commun. 2024 Apr 9;4(4):1024-1040.	🔗
2023	CD34+ cells	Hematopoietic reconstitution dynamics of mobilized- and bone marrow-derived human hematopoietic stem cells after gene therapy.	Scala S, Ferrua F, Basso-Ricci L, Dionisio F, Omrani M, Quaranta P, Jofra Hernandez R, Del Core L, Benedicenti F, Monti I, Giannelli S, Fraschetta F, Darin S, Albertazzi E, Galimberti S, Montini E, Calabria A, Cicalese MP, Aiuti A.	Nat Commun. 2023 May 27;14(1):3068.	🔗
2023	Human cord blood-derived HSC	Establishment of a human microbiome- and immune system-reconstituted dual-humanized mouse model.	Ka Y, Ito R, Nozu R, Tomiyama K, Ueno M, Ogura T, Takahashi R.	Exp Anim. 2023 Apr 4;72(3):402-412.	🔗
2023	PBEDT020F	Protocol for bulk RNA sequencing of enriched human neutrophils from whole blood and estimation of sample purity.	Gonye ALK, LaSalle TJ, Freeman SS, Reyes M, Hacohen N, Villani AC, Sade-Feldman M.	STAR Protoc. 2023 Feb 23;4(1):102125	🔗
2023	healthy donor PBMCs LE010F	A universal MHCII technology platform to characterize antigen-specific CD4+ T cells.	Vyasamneni R, Kohler V, Karki B, Mahimkar G, Esaulova E, McGee J, Kallin D, Sheen JH, Harjanto D, Kirsch M, Poran A, Dong J, Srinivasan L, Gaynor RB, Bushway ME, Srouji JR.	Cell Rep Methods. 2023 Jan 13;3(1):100388	🔗
2022	PBMC	Tumor-associated macrophages-educated reparative macrophages promote diabetic wound healing.	Mu R, Zhang Z, Han C, Niu Y, Xing Z, Liao Z, Xu J, Shao N, Chen G, Zhang J, Dong L, Wang C.	EMBO Mol Med. 2022 Dec 21;15(2):e16671	🔗
2022	Bone marrow MNCs	scTAM-seq enables targeted high-confidence analysis of DNA methylation in single cells.	Bianchi A, Scherer M, Zaurin R, Quillan K, Velten L, Beekman R.	Genome Biol. 2022 Oct 28;23(1):229	🔗
2022	healthy donor PBMCs LE010F	CD4dim CD8bright T Cells Home to the Brain and Mediate HIV Neuroinvasion.	Albalawi YA, Narasipura SD, Olivares LJ, Al-Harthi L.	J Virol. 2022 Jul 19;96(15):e0080422	🔗
2022	PBMC	Leveraging gene therapy to achieve long-term continuous or controllable expression of biotherapeutics.	Cripe TP, Hutzen B, Currier MA, Chen CY, Glaspell AM, Sullivan GC, Hurley JM, Deighen MR, Venkataramany AS, Mo X, Stanek JR, Miller AR, Wijeratne S, Magrini V, Mardis ER, Mendell JR, Chandler DS, Wang PY.	Sci Adv. 2022 Jul 13;8(28):eabm1890	🔗
2022	PBMC	Unraveling function and diversity of bacterial lectins in the human microbiome.	Cohen LJ, Han SM, Lau P, Guisado D, Liang Y, Nakashige TG, Ali T, Chiang D, Rahman A, Brady SF.	Nat Commun. 2022 Jun 3;13(1):3101	🔗
2022	healthy donor PBMCs LE010F	Hyperimmune Targeting Staphylococcal Toxins Effectively Protect Against USA 300 MRSA Infection in Mouse Bacteremia and Pneumonia Models.	Han X, Ortines R, Mukherjee I, Kanipakala T, Kort T, Sherchand SP, Liao G, Mednikov M, Chenine AL, Aman MJ, Nykiforuk CL, Adhikari RP.	Front Immunol. 2022 May 17;13:893921	🔗
2022	PBMC	A siRNA targets and inhibits a broad range of SARS-CoV-2 infections including Delta variant.	Chang YC, Yang CF, Chen YF, Yang CC, Chou YL, Chou HW, Chang TY, Chao TL, Hsu SC, Jeong SM, Tsai YM, Liu PC, Chin YF, Fang JT, Kao HC, Lu HY, Chang JY, Weng RS, Tu QW, Chang FY, Huang KY, Lee TY, Chang SY, Yang PC.	EMBO Mol Med. 2022 Feb 21;14(4):e15298	🔗
2022	PBMC	Enhanced cell deconvolution of peripheral blood using DNA methylation for high-resolution immune profiling.	Salas LA, Zhang Z, Koestler DC, Butler RA, Hansen HM, Molinaro AM, Wiencke JK, Kelsey KT, Christensen BC.	Nat Commun. 2022 Feb 9;13(1):761	🔗
2022	PBMC	T cell subtype profiling measures exhaustion and predicts anti-PD-1 response.	Schillebeeckx I, Earls J, Flanagan KC, Hiken J, Bode A, Armstrong JR, Messina DN, Adkins D, Ley J, Alboirelli I, Jermann P, Glasscock JI.	Sci Rep. 2022 Jan 25;12(1):1342	🔗
2021	human convalescent-phase plasma samples (ヒト回復期血漿サンプル)	Efficacy and breadth of adjuvanted SARS-CoV-2 receptor-binding domain nanoparticle vaccine in macaques.	King HAD, Joyce MG, Lakhal-Naouar I, Ahmed A, Cincotta CM, Subra C, Peachman KK, Hack HR, Chen RE, Thomas PV, Chen WH, Sankhala RS, Hajduczki A, Martinez EJ, Peterson CE, Chang WC, Choe M, Smith C, Headley JA, et al.	Proc Natl Acad Sci U S A. 2021 Sep 21;118(38):e2106433118	🔗
2021	PBMC	Metformin inhibition of mitochondrial ATP and DNA synthesis abrogates NLRP3 inflammasome activation and pulmonary inflammation.	Xian H, Liu Y, Rundberg Nilsson A, Gatchalian R, Crother TR, Tourtellotte WG, Zhang Y, Aleman-Muench GR, Lewis G, Chen W, Kang S, Luevanos M, Trudler D, Lipton SA, Soroosh P, Teijaro J, de la Torre JC, Arditi M, Karin M, et al.	Immunity. 2021 Jun 10;54(7):1463-1477.e11	🔗
2021	Bone marrow MNCs	Plasma from patients with bacterial sepsis or severe COVID-19 induces suppressive myeloid cell production from hematopoietic progenitors in vitro.	Reyes M, Filbin MR, Bhattacharyya RP, Sonny A, Mehta A, Billman K, Kays KR, Pinilla-Vera M, Benson ME, Cosimi LA, Hung DT, Levy BD, Villani AC, Sade-Feldman M, Baron RM, Goldberg MB, Blainey PC, Hacohen N.	Sci Transl Med. 2021 Jun 8;13(598):eabe9599	🔗
2021	human convalescent-phase plasma samples (ヒト回復期血漿サンプル)	Comprehensive analysis of T cell immunodominance and immunoprevalence of SARS-CoV-2 epitopes in COVID-19 cases.	Tarke A, Sidney J, Kidd CK, Dan JM, Ramirez SI, Yu ED, Mateus J, da Silva Antunes R, Moore E, Rubiro P, Methot N, Phillips E, Mallal S, Frazier A, Rawlings SA, Greenbaum JA, Peters B, Smith DM, Crotty S, Weiskopf D, Grifoni A, Sette A.	Cell Rep Med. 2021 Jan 26;2(2):100204	🔗
2020	healthy donor PBMCs LE010F	Combined TCR Repertoire Profiles and Blood Cell Phenotypes Predict Melanoma Patient Response to Personalized Neoantigen Therapy plus Anti-PD-1.	Poran A, Scherer J, Bushway ME, Besada R, Balogh KN, Wanamaker A, Williams RG, Prabhakara J, Ott PA, Hu-Lieskovan S, Khondker ZS, Gaynor RB, Rooney MS, Srinivasan L.	Cell Rep Med. 2020 Nov 17;1(8):100141	🔗
2020	PBMC/Plasma	Hemophilia A Inhibitor Subjects Show Unique PBMC Gene Expression Profiles That Include Up-Regulated Innate Immune Modulators.	Karim AF, Soltis AR, Sukumar G, Königs C, Ewing NP, Dalgard CL, Wilkerson MD, Pratt KP.	Front Immunol. 2020 Jun 12;11:1219	🔗
2019	PBMC	Novel biomanufacturing platform for large-scale and high-quality human T cells production.	Ou J, Si Y, Tang Y, Salzer GE, Lu Y, Kim S, Qin H, Zhou L, Liu X.	J Biol Eng. 2019 Apr 23;13:34	🔗
2017	healthy CD34+ cells	Novel therapeutic approach to improve hematopoiesis in low risk MDS by targeting MDSCs with the Fc-engineered CD33 antibody BI 836858.	Eksioglu EA, Chen X, Heider KH, Rueter B, McGraw KL, Basiorka AA, Wei M, Burnette A, Cheng P, Lancet J, Komrokji R, Djou J, List A, Wei S.	Leukemia. Author manuscript. 2017 Jan 18;31(10):2172-2180	🔗
2016	umbilical cords, PBMCs from patients with relapsing remitting multiple sclerosis	Umbilical cord-derived mesenchymal stem cells reversed the suppressive deficiency of T regulatory cells from peripheral blood of patients with multiple sclerosis in a co-culture - a preliminary study.	Yang H, Sun J, Wang F, Li Y, Bi J, Qu T.	Oncotarget. 2016 Nov 8;7(45):72537-72545	🔗

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