Resource Summary Report

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International Histocompatibility Cell and DNA Bank

RRID:SCR_004871
Type: Tool

Proper Citation

International Histocompatibility Cell and DNA Bank (RRID:SCR_004871)

Resource Information

URL: http://www.ihwg.org/

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Description: The IHWG Cell and DNA Bank was established as a shared resource to support the scientific projects of the 13th International Histocompatibility Workshop (IHWS). The Research Cell Bank (RCB), located in Fred Hutchinson Cancer Research Center in Seattle, WA, maintains the IHWG inventory. This comprehensive inventory includes B-Lymphoblastoid Cell Lines (B-LCL) from previous International Workshops, HLA heterozygous and homozygous donors, selected families, and individuals of diverse population groups. The RCB maintains stocks of purified DNA derived from these cell lines, as well as DNA reference panels that provide an extensive array of HLA and HLA-related sequence polymorphisms. The RCB also provides cloned HLA genes and B-LCL transfected with selected HLA genes, which are available on a limited basis.

Abbreviations: IHWG Cell and DNA Bank

Synonyms: International Histocompatibility Working Group Cell and DNA Bank, International Histocompatibility Cell DNA Bank, International Histocompatibility Working Group Cell DNA Bank, IHWG Cell DNA Bank

Resource Type: biomaterial supply resource, cell repository, material resource

Keywords: dna reference panel, sequence polymorphism, hla, hla gene, b-lymphoblastoid cell line, cell line, dna, diverse population, human leukocyte antigen heterozygous, human leukocyte antigen homozygous, hla sequence polymorphism, gene

Related Condition: Diverse population, Human leukocyte antigen heterozygous, Human leukocyte antigen homozygous

Funding:

Availability: Private: The IHWG Cell and DNA Bank was established as a shared resource to support the scientific projects of the 13th International Histocompatibility Workshop (IHWS).

Resource Name: International Histocompatibility Cell and DNA Bank

Resource ID: SCR_004871

Alternate IDs: nlx_85137

Old URLs: http://www.ihwg.org/cellbank/index.html

Record Creation Time: 20220129T080227+0000

Record Last Update: 20250422T055210+0000

Ratings and Alerts

No rating or validation information has been found for International Histocompatibility Cell and DNA Bank.

No alerts have been found for International Histocompatibility Cell and DNA Bank.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Wang S, et al. (2023) SpecHLA enables full-resolution HLA typing from sequencing data. Cell reports methods, 3(9), 100589.

Nilsson JB, et al. (2023) Machine learning reveals limited contribution of trans-only encoded variants to the HLA-DQ immunopeptidome. Communications biology, 6(1), 442.

Houwaart T, et al. (2023) Complete sequences of six major histocompatibility complex haplotypes, including all the major MHC class II structures. HLA, 102(1), 28.

Deng Z, et al. (2021) Adaptive Admixture of HLA Class I Allotypes Enhanced Genetically Determined Strength of Natural Killer Cells in East Asians. Molecular biology and evolution, 38(6), 2582.

Beaubier N, et al. (2019) Clinical validation of the tempus xT next-generation targeted oncology sequencing assay. Oncotarget, 10(24), 2384.

Adland E, et al. (2018) Differential Immunodominance Hierarchy of CD8+ T-Cell Responses in HLA-B*27:05- and -B*27:02-Mediated Control of HIV-1 Infection. Journal of virology, 92(4).

Norman PJ, et al. (2017) Sequences of 95 human MHC haplotypes reveal extreme coding variation in genes other than highly polymorphic HLA class I and II. Genome research, 27(5), 813.

Park YJ, et al. (2017) Impact of HLA Class I Alleles on Timing of HIV Rebound After Antiretroviral Treatment Interruption. Pathogens & immunity, 2(3), 431.

Norman PJ, et al. (2016) Defining KIR and HLA Class I Genotypes at Highest Resolution via High-Throughput Sequencing. American journal of human genetics, 99(2), 375.

Bergseng E, et al. (2015) Different binding motifs of the celiac disease-associated HLA molecules DQ2.5, DQ2.2, and DQ7.5 revealed by relative quantitative proteomics of endogenous peptide repertoires. Immunogenetics, 67(2), 73.

Bashirova AA, et al. (2014) LILRB2 interaction with HLA class I correlates with control of HIV-1 infection. PLoS genetics, 10(3), e1004196.

Lank SM, et al. (2012) Ultra-high resolution HLA genotyping and allele discovery by highly multiplexed cDNA amplicon pyrosequencing. BMC genomics, 13, 378.

Li JZ, et al. (2012) Characteristics and outcomes of initial virologic suppressors during analytic treatment interruption in a therapeutic HIV-1 gag vaccine trial. PloS one, 7(3), e34134.

Park M, et al. (2011) The impact of HLA matching on unrelated donor hematopoietic stem cell transplantation in Korean children. The Korean journal of hematology, 46(1), 11.

Xiong F, et al. (2009) Identification of HLA-A*02-B*46 haplotype allele variant in Guangdong Han populations on the basis of PCR-SBT. BMC research notes, 2, 55.

Yan C, et al. (2003) HLA-A gene polymorphism defined by high-resolution sequence-based typing in 161 Northern Chinese Han people. Genomics, proteomics & bioinformatics, 1(4), 304.