

Histocompatibility

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Histocompatibility is the property of having the same, or mostly the same, alleles of a set of genes called the major histocompatibility complex. These genes are expressed in most tissues as antigens, to which the immune system makes antibodies. The immune system at first makes antibodies to all sorts of antigens, including those it has never been exposed to, but stops making them to antigens present in the body. If the body is exposed to foreign antigens, as by getting a tissue graft, it attacks the foreign material unless it is histocompatible. A similar system exists in many plants; its purpose is not to reject grafts, but to prevent inbreeding. Pollen from a plant sharing a histocompatibility gene with the female either fails to grow or dies soon after germinating. ([From the Wikipedia article Histocompatibility.](#))



Recent Publications on Histocompatibility:

- [Catumaxomab: A bispecific trifunctional antibody.](#)
The trifunctional bispecific monoclonal antibody catumaxomab has two... 21st November, 2009
Department of Internal Medicine III, Hematology, Medical Oncology and- Drugs Today (Barc). 2009 Aug;45(8):589-597. ([DOI Direct Link](#))
- [The role of microglia in central nervous system immunity and glioma immunology.](#)
The central nervous system (CNS) historically has been considered an... 21st November, 2009
Department of Neurological Surgery, University of California at San- J Clin Neurosci. 2009 Nov 17. ([DOI Direct Link](#))
- [The Heterogeneous Allelic Repertoire of Human Toll-Like Receptor \(TLR\) Genes.](#)
Toll-Like Receptors (TLR) are critical elements of the innate arm of the... 20th November, 2009
Laboratoire d'Immunogenetique Moleculaire Humaine, Centre de Recherche- PLoS One. 2009 Nov 17;4(11):e7803. ([DOI Direct Link](#))
- [Natural killer cells and cancer: Regulation by the killer cell Ig-like receptors \(KIR\).](#)
Natural killer (NK) cells are innate immune effector cells that make up... 20th November, 2009
Fox Chase Cancer Center, Institute for Cancer Research, Philadelphia, PA,- Cancer Biol Ther. 2009 Dec 28;8(23).
- [Children with frequent infections: A proposal for a stepwise assessment and investigation of the immune system.](#)
Although many children develop frequent infections, only a few have an... 20th November, 2009
Department of Immunology-Histocompatibility, Center for Primary- Pediatr Allergy Immunol. 2009 Nov 17. ([DOI Direct Link](#))
- [Toll-like receptor-induced innate immune responses in non-parenchymal liver cells are cell type-specific.](#)
Little is known of how the Toll-like receptor (TLR) system can modulate... 20th November, 2009
Department of Gastroenterology and Hepatology, University Hospital of- Immunology. 2009 Sep 9. ([DOI Direct Link](#))

- [Killer cell immunoglobulin-like receptor expression induction on neonatal CD8\(+\) T cells in vitro and following congenital infection with Trypanosoma cruzi.](#)
Major histocompatibility complex (MHC) class I-specific inhibitory natural... 20th November, 2009
Laboratoire de Parasitologie, Faculte de Medecine, Universite Libre de- Immunology. 2009 Nov 17. ([DOI Direct Link](#))
- [Inhibition of immunological function mediated DNA damage of alveolar macrophages caused by cigarette smoke in mice.](#)
Exposure to cigarette smoke impairs the pulmonary immune system, including... 20th November, 2009
Department of Biotechnology, Faculty of Engineering, Kyoto Sangyo- Inhal Toxicol. 2009 Dec;21(14):1229-1235. ([DOI Direct Link](#))
- [Larval fitness, microsatellite diversity and MHC class II diversity in common frog \(Rana temporaria\) populations.](#)
There is increasing interest in using functional rather than neutral loci... 19th November, 2009
Department of Biochemistry, School of Life Sciences, University of Sussex,- Heredity. 2009 Nov 18. ([DOI Direct Link](#))
- [Selection-driven immune escape is not a significant factor in the failure of CD4 T cell responses in persistent hepatitis C virus infection.](#)
Immune escape driven by selection pressure from virus-specific CD8 T cells... 18th November, 2009
Center for Vaccines and Immunity, The Research Institute at Nationwide- Hepatology. 2009 Nov 16. ([DOI Direct Link](#))
- [A genome-wide association study identifies three new susceptibility loci for ulcerative colitis in the Japanese population.](#)
Ulcerative colitis is one of the principal forms of inflammatory bowel... 17th November, 2009
[1] Laboratory for Genotyping Development, Center for Genomic Medicine,- Nat Genet. 2009 Nov 15. ([DOI Direct Link](#))
- [Brain dendritic cells in ischemic stroke: time course, activation state, and origin.](#)
The immune response to stroke is comprised of inflammatory and regulatory... 17th November, 2009
Laboratory of Neuroendocrinology, The Rockefeller University, New York,- Brain Behav Immun. 2009 Nov 12. ([DOI Direct Link](#))
- [Development of a novel Hsp70-based DNA vaccine as a multifunctional antigen delivery system.](#)
DNA vaccination is a simple and effective method to induce immune... 17th November, 2009
Department of Biopharmaceutics and Drug Metabolism, Graduate School of- J Control Release. 2009 Nov 11. ([DOI Direct Link](#))
- [CD11c Expression in Adipose Tissue and Blood and Its Role in Diet-Induced Obesity.](#)
OBJECTIVE: To examine CD11c, a beta2-integrin, on adipose tissue (AT)... 17th November, 2009
Section of Atherosclerosis and Vascular Medicine, Baylor College of- Arterioscler Thromb Vasc Biol. 2009 Nov 12. ([DOI Direct Link](#))
- [Peptide binding to MHC class I and II proteins: New avenues from new methods.](#)
Major histocompatibility complex (MHC) class I and II proteins have been... 17th November, 2009
Biochemistry and Cell Biology, Jacobs University Bremen, Campus Ring 1,- Mol Immunol. 2009 Nov 10. ([DOI Direct Link](#))

BioNews Results for Histocompatibility

- [Linkage Biosciences Unveils New Tool for Immunogenetic Testing](#)
Clinical Lab Products: Nov 20 2009 6:36PM Matching: histocompatibility
- [Linkage Biosciences Unveils LinkSeqTM -- A Revolutionary New Tool For Immunogenetic Testing](#)
Medical News Today: Nov 19 2009 7:33PM Matching: histocompatibility
- [Linkage Biosciences Unveils LinkSeq\(TM\) EUR' a Revolutionary New Tool for Immunogenetic Testing](#)

BioSpace: Nov 19 2009 7:15PM Matching: histocompatibility

- [Linkage Biosciences Unveils LinkSeq\(TM\) -- a Revolutionary New Tool for Immunogenetic Testing](#)
Freshnews.com: Nov 18 2009 5:29PM Matching: histocompatibility
- [Linkage Biosciences Unveils LinkSeq\(TM\) -- a Revolutionary New Tool for Immunogenetic Testing](#)
Market Wire: Nov 18 2009 4:36PM Matching: histocompatibility
- [Linkage Biosciences Unveils LinkSeq\(TM\) -- a Revolutionary New Tool for Immunogenetic Testing](#)
Reuters: Nov 18 2009 4:29PM Matching: histocompatibility



Histocompatibility Patents:

- 7605166- [Methods and compositions for treating rheumatoid arthritis](#)
- 7608749- [Monitoring APP cleavage in transgenic rodents comprising an APP Swedish mutation](#)
- 7611483- [Indicator metrics for infection monitoring](#)
- 7611693- [Mechanism-based targeted pancreatic beta cell imaging and therapy](#)
- 7611708- [Methods of therapy for B-cell malignancies using antagonist anti-CD40 antibodies](#)
- 7611712- [Immunogenic compositions capable of eliciting Th1 immune responses comprising an HIV-1 MA myristate binding site polypeptide](#)
- 7611713- [Inducing cellular immune responses to hepatitis B virus using peptide compositions](#)
- 7611839- [Methods for diagnosing RCC and other solid tumors](#)
- 7611854- [Yeast cells engineered to produce pheromone system protein surrogates, and uses therefor](#)
- 7611884- [Toxoplasma gondii nucleic acid molecules](#)
- 7612044- [Melanoma antigens and their use in diagnostic and therapeutic methods](#)
- 7608700- [Lactobacillus acidophilus nucleic acid sequences encoding stress-related proteins and uses therefor](#)
- 7608693- [High affinity human antibodies to human IL-4 receptor](#)
- 7608686- [Human tumor necrosis factor receptor](#)
- 7605227- [Melanoma antigen peptide analogues](#)
- 7605229- [PRO87299 polypeptides](#)
- 7605233- [Tumour necrosis factor binding ligands](#)
- 7605237- [High affinity human antibodies to human IL-4 receptor](#)
- 7605238- [Human CTLA-4 antibodies and their uses](#)
- 7608274- [Therapeutic processes and useful compositions therefor](#)
- 7608284- [Enamel matrix protein composition for treatment of systemic inflammatory response syndrome](#)
- 7608452- [Polynucleotides encoding cytokine receptor zcytor19](#)
- 7608683- [Stress proteins and peptides and methods of use thereof](#)
- 7608685- [Tumor antigen based on products of the tumor suppressor gene WT1](#)
- 7612110- [Utilization of dialkylfumarates](#)
- 7612170- [Co-stimulatory polypeptides](#)
- 7618622- [Treatment of Parkinson's disease and related disorders using postpartum derived cells](#)
- 7618635- [Super-antigen fusion proteins and the use thereof](#)
- 7618637- [Heat shock protein-based vaccines and immunotherapies](#)
- 7618642- [Expression cassettes encoding modified human immunodeficiency virus type 1 subtype C envelope glycoproteins](#)

- 7618791- [Methods of detecting cancer with antibodies to cytokine receptor ZCYTOR19](#)
- 7618817- [Genetically modified human natural killer cell lines](#)
- 7619001- [Utilization of dialkylfumarates](#)
- 7619057- [MHC class II restricted T cell epitopes from the cancer antigen, NY ESO-1](#)
- 7619058- [Epitope/peptide recognized by HLA-A2402-restricted Ep-CAM-specific CTL and use of the same](#)
- 7619063- [Chimeric immunogens](#)
- 7615611- [Human cytokine receptor](#)
- 7615379- [Nucleic acid and corresponding protein entitled 193P1E1B useful in treatment and detection of cancer](#)
- 7615368- [Microarrays of polypeptides](#)
- 7612172- [Nucleic acids and corresponding proteins entitled 282P1G3 useful in treatment and detection of cancer](#)
- 7612180- [Humanized L243 antibodies](#)
- 7612191- [Polynucleotides encoding interleukin-17 receptor homologue](#)
- 7615225- [Methods for treating a subject having cancer by the administration of a conjugate between a variant staphylococcal enterotoxin E superantigen and an antibody that binds to the 5T4 antigen](#)
- 7615227- [Use of CpG oligodeoxynucleotides to induce angiogenesis](#)
- 7615342- [ACTN3 genotype screen for athletic performance](#)
- 7615349- [Melanoma gene signature](#)
- 7615350- [Methods for haplotyping genomic DNA](#)
- 7615355- [Peripheral-type benzodiazepine receptor expression level as an index of organ damage and regeneration](#)
- 7615359- [Copolymer 1 related polypeptides for use as molecular weight markers and for therapeutic use](#)
- 7619071- [Antibodies that bind interleukin-17 receptor homologue](#)

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