

# Immunoglobulin Class Switching

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## Recent Publications on Immunoglobulin Class Switching:



- [Reduced immunoglobulin class switch recombination in the absence of Artemis.](#)  
*Nonhomologous end-joining DNA repair factors, including Artemis, are all...*18th November, 2009  
Inserm U768, Paris, France.- *Blood*. 2009 Oct 22;114(17):3601-9. Epub 2009 Aug 19. ([DOI Direct Link](#))
- [HIV Nef is Secreted in Exosomes and Triggers Apoptosis in Bystander CD4 T Cells.](#)  
*Abstract The HIV accessory protein negative factor (Nef) is one of the...*17th November, 2009  
Departments of Medicine, Microbiology and Immunology, University of- Traffic. 2009 Oct 23. ([DOI Direct Link](#))
- [Blood stage Plasmodium falciparum antigens induce immunoglobulin class switching in human enriched B cell culture.](#)  
*This study aimed to demonstrate class switch recombination (CSR) in heavy...*11th November, 2009  
Department of Tropical Radioisotopes, Faculty of Tropical Medicine, - Southeast Asian J Trop Med Public Health. 2009 Jul;40(4):651-64.
- [Molecular insight into the immune up-regulatory properties of the leaf extract of Ashwagandha and identification of Th1 immunostimulatory chemical entity.](#)  
*Withania somnifera, commonly called Ashwagandha in the Indian traditional...*6th November, 2009  
Division of Pharmacology, Indian Institute of Integrative Medicine- Vaccine. 2009 Oct 9;27(43):6080-7. Epub 2009 Jul 21. ([DOI Direct Link](#))
- [One problem, two solutions.](#)  
*Withania somnifera, commonly called Ashwagandha in the Indian traditional...*15th October, 2009  
- *Nat Immunol*. 2009 Aug;10(8):811-3. ([DOI Direct Link](#))
- [Invariant natural killer \(iNK\) T cell deficiency in patients with common variable immunodeficiency.](#)  
*Common variable immunodeficiency (CVID) is a B cell immunodeficiency...*10th October, 2009  
Immunology Unit, Institute of Clinical Pathology and Medical Research,- *Clin Exp Immunol*. 2009 Sep;157(3):365-9. ([DOI Direct Link](#))
- [Efficient help for autoreactive B-cell activation requires CD4+ T-cell recognition of an agonist peptide at the effector stage.](#)  
*T-cell recognition of peptide/MHC complexes is flexible and can lead to...*23rd September, 2009  
The Wistar Institute, Philadelphia, PA 19104, USA.- *Eur J Immunol*. 2009 Sep;39(9):2377-82. ([DOI Direct Link](#))
- [Multiple functions of MRN in end-joining pathways during isotype class switching.](#)  
*The Mre11-Rad50-NBS1 (MRN) complex has many roles in response to DNA...*17th September, 2009  
Department of Pathology, The University of Michigan Medical School, Ann- *Nat Struct Mol Biol*. 2009 Aug;16(8):808-13. Epub 2009 Jul 26. ([DOI Direct Link](#))

- [Intrusive HIV-1-infected cells.](#)  
*Macrophages infected with human immunodeficiency virus type 1 emit long...*9th September, 2009  
- Nat Immunol. 2009 Sep;10(9):933-4. ([DOI Direct Link](#))
- [Recruitment of the cytoplasmic adaptor Grb2 to surface IgG and IgE provides antigen receptor-intrinsic costimulation to class-switched B cells.](#)  
*The improved antibody responses of class-switched memory B cells depend on...*9th September, 2009  
Institute of Cellular and Molecular Immunology, Georg-August-University- Nat Immunol. 2009 Sep;10(9):1018-25. Epub 2009 Aug 9. ([DOI Direct Link](#))
- [HIV-1 evades virus-specific IgG2 and IgA responses by targeting systemic and intestinal B cells via long-range intercellular conduits.](#)  
*Contact-dependent communication between immune cells generates protection...*9th September, 2009  
Department of Pathology and Laboratory Medicine, Weill Medical College of- Nat Immunol. 2009 Sep;10(9):1008-17. Epub 2009 Aug 2. ([DOI Direct Link](#))
- [Toll-like receptor 7 and 9 defects in common variable immunodeficiency.](#)  
*BACKGROUND: Common variable immunodeficiency (CVID) is characterized by...*9th September, 2009  
Department of Medicine, Mount Sinai Medical Center, New York, NY 10029,- J Allergy Clin Immunol. 2009 Aug;124(2):349-56, 356.e1-3. Epub 2009 Jul 9. ([DOI Direct Link](#))
- [Mechanisms promoting translocations in editing and switching peripheral B cells.](#)  
*Variable, diversity and joining gene segment (V(D)J) recombination...*3rd September, 2009  
Howard Hughes Medical Institute, USA.- Nature. 2009 Jul 9;460(7252):231-6. ([DOI Direct Link](#))
- [S region sequence, RNA polymerase II, and histone modifications create chromatin accessibility during class switch recombination.](#)  
*Immunoglobulin class switch recombination is governed by long-range...*15th August, 2009  
Department of Microbiology and Immunology, University of Illinois College- J Exp Med. 2009 Aug 3;206(8):1817-30. Epub 2009 Jul 13. ([DOI Direct Link](#))
- [Isolated growth hormone deficiency in a patient with immunoglobulin class switch recombination deficiency.](#)  
*Growth hormone deficiency (GHD) may be associated with a number of...*11th August, 2009  
Allergy Research Center, Department of Pediatrics, Division of Immunology- J Investig Allergol Clin Immunol. 2009;19(3):233-6.

## Immunoglobulin Class Switching Patents:



- 7196164- [Secreted protein HHTLF25](#)
- 7361331- [Plant bioreactors](#)
- 7368106- [Use of a promoter of T-cell expansion and an inducer of CD40 stimulation in the treatment or prevention of a pathologic state](#)
- 7368527- [HADDE71 polypeptides](#)
- 7368531- [Human secreted proteins](#)
- 7371392- [Cd40 ligand adjuvant for respiratory syncytial virus](#)
- 7371572- [Mouse titers after two immunizations with VLPs alone](#)
- 7381800- [Antibodies to HBIMF63 polypeptide](#)
- 7393934- [Human G-protein chemokine receptor \(CCR5\) HDGNR10](#)

- 7410975- [Small molecule toll-like receptor \(TLR\) antagonists](#)
- 7411051- [Antibodies to HDPPA04 polypeptide](#)
- 7335489- [Polynucleotides encoding a protein kinase C inhibitor protein and methods of using these polynucleotides](#)
- 7317090- [Antibodies to Interleukin-4 receptors and uses thereof](#)
- 7309492- [Soluble lymphotoxin-.beta. receptors as therapeutic agents for the treatment of systemic lupus erythematosus](#)
- 7208581- [TRAF family proteins](#)
- 7226747- [Method of identifying substances which modulate interleukin 4\(IL-4\) signaling](#)
- 7238660- [Albumin fusion proteins](#)
- 7238667- [Albumin fusion proteins](#)
- 7255854- [Use of lymphotoxin-.beta. receptor blocking agents for the treatment of antibody mediated immunological diseases](#)
- 7271156- [Immunostimulatory nucleic acids](#)
- 7279161- [Factor IX/factor IXa activating antibodies and antibody derivatives](#)
- 7279555- [Advanced antigen presentation platform](#)
- 7297336- [Factor IXa specific antibodies displaying factor VIIIa like activity](#)
- 7306919- [Antigen-antibody cancer recognition system](#)
- 7429644- [Humanized anti-LT-.beta.-R antibodies](#)
- 7429645- [Humanized anti-lymphotoxin beta receptor antibodies](#)
- 7560540- [Nucleic acid encoding dendritic cell co-stimulatory molecules](#)
- 7563443- [Monovalent anti-CD40L antibody polypeptides and compositions thereof](#)
- 7569384- [Albumin fusion proteins](#)
- 7569553- [Nucleic acid compositions for stimulating immune responses](#)
- 7576066- [Nucleic acid compositions for stimulating immune responses](#)
- 7585638- [Test system for measuring the interaction of STAT 6 with NCoA-1](#)
- 7592010- [Albumin fusion proteins](#)
- 7597886- [Tumor necrosis factor-gamma](#)
- 7604995- [Compositions, kits, and methods for stimulation of homologous recombination](#)
- 7605138- [Nucleic acid compositions for stimulating immune responses](#)
- 7544481- [Nucleic acids encoding CD40 binding protein](#)
- 7541040- [Chimeric molecule for the treatment of th2-like cytokine mediated disorders](#)
- 7521424- [Albumin fusion proteins](#)
- 7459531- [50 Human secreted proteins](#)
- 7470428- [Compositions and methods related to TIM-3, a Th1-specific cell surface molecule](#)
- 7479280- [Virus-like particles for the induction of autoantibodies](#)
- 7482013- [Albumin fusion proteins](#)
- 7488490- [Method of inducing an antigen-specific immune response by administering a synergistic combination of adjuvants comprising unmethylated CpG-containing nucleic acids and a non-nucleic acid adjuvant](#)
- 7501123- [Human G-protein chemokine receptor \(CCR5\) HDGNR10](#)
- 7501552- [Transgenic non-human animals for producing chimeric antibodies](#)
- 7504105- [Treatment using antibodies to cytokine receptor common gamma chain like](#)
- 7507413- [Albumin fusion proteins](#)
- 7507414- [Albumin fusion proteins](#)
- 7619057- [MHC class II restricted T cell epitopes from the cancer antigen, NY ESO-1](#)

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