

Immunoglobulin Switch Region

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Recent Publications on Immunoglobulin Switch Region:



- [Analysis of clonotypic switch junctions reveals multiple myeloma originates from a single class switch event with ongoing mutation in the isotype-switched progeny.](#)
Multiple myeloma (MM) is a cancer of plasma cells (PCs) expressing... 1st October, 2008
Department of Oncology, University of Alberta and Cross Cancer Institute,- Blood. 2008 Sep 1;112(5):1894-903. Epub 2008 Jun 24. ([DOI Direct Link](#))
- [S\(mu\) mutation patterns suggest different progression pathways in follicular lymphoma: early direct or late from FL progenitor cells.](#)
Follicular lymphoma (FL) is a B-cell malignancy characterized by the... 1st October, 2008
Inserm U918, Groupe d'etude des Proliferations Lymphoides, Institut- Blood. 2008 Sep 1;112(5):1951-9. Epub 2008 May 30. ([DOI Direct Link](#))
- [Mutagenic roles of DNA "repair" proteins in antibody diversity and disease-associated trinucleotide repeat instability.](#)
While DNA repair proteins are generally thought to maintain the integrity... 1st October, 2008
Program of Genetics & Genome Biology, The Hospital for Sick Children,- DNA Repair (Amst). 2008 Jul 1;7(7):1135-54. Epub 2008 May 16. ([DOI Direct Link](#))
- [Recurrent cytogenetic findings in subsets of patients with chronic lymphocytic leukemia expressing IgG-switched stereotyped immunoglobulins.](#)
We report a remarkable association of recurrent (stereotyped) cytogenetic... 4th July, 2008
- Haematologica. 2008 Mar;93(3):473-4. ([DOI Direct Link](#))
- [ICOS-Dependent and -independent functions of memory CD4 T cells in allograft rejection.](#)
Donor-reactive memory T cells undermine the survival of transplanted... 19th April, 2008
Department of Immunology, the Cleveland Clinic Foundation, Cleveland, OH,- Am J Transplant. 2008 Mar;8(3):497-506. ([DOI Direct Link](#))
- [Activation-induced cytidine deaminase induces DNA break repair events more frequently in the Ig switch region than other sites in the mammalian genome.](#)
Activation-induced cytidine deaminase (AID) produces DNA breaks in... 29th February, 2008
Department of Molecular and Cellular Biology, College of Biological- Eur J Immunol. 2007 Dec;37(12):3529-39. ([DOI Direct Link](#))
- [S-S synapsis during class switch recombination is promoted by distantly located transcriptional elements and activation-induced deaminase.](#)
Molecular mechanisms underlying synapsis of activation-induced deaminase... 17th January, 2008
Department of Microbiology and Immunology, University of Illinois College- Immunity. 2007 Nov;27(5):711-22. Epub 2007 Nov 1. ([DOI Direct Link](#))

- [Mechanism of R-loop formation at immunoglobulin class switch sequences.](#)
*R-loops have been described in vivo at the immunoglobulin class switch...*12th January, 2008
USC Norris Comprehensive Cancer Ctr., Rm. 5428, 1441 Eastlake Ave.,- Mol Cell Biol. 2008
Jan;28(1):50-60. Epub 2007 Oct 22. ([DOI Direct Link](#))
- [A primary immunodeficiency characterized by defective immunoglobulin class switch recombination and impaired DNA repair.](#)
*Immunoglobulin class switch recombination (CSR) deficiencies are rare...*3rd January, 2008
Institut National de la Sante et de la Recherche Medicale, U768, Paris,- J Exp Med. 2007 May
14;204(5):1207-16. Epub 2007 May 7. ([DOI Direct Link](#))
- [Spontaneous class switch recombination in B cell lymphopoiesis generates aberrant switch junctions and is increased after VDJ rearrangement.](#)
*Mature B cells replace the mu constant region of the H chain with a...*28th December, 2007
Department of Immunology, Bruce Rappaport Faculty of Medicine,- J Immunol. 2007 Nov
15;179(10):6555-60.
- [DNA-dependent protein kinase inhibits AID-induced antibody gene conversion.](#)
*Affinity maturation and class switching of antibodies requires...*12th October, 2007
Centenary Institute and University of Sydney Faculty of Medicine, Sydney,- PLoS Biol. 2007
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- [DNA polymerase beta is able to repair breaks in switch regions and plays an inhibitory role during immunoglobulin class switch recombination.](#)
*Immunoglobulin (Ig) class switch recombination (CSR) is initiated by...*18th September, 2007
Department of Molecular Genetics and Microbiology, Program in Immunology- J Exp Med. 2007 Jul
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- [Sequence dependence of chromosomal R-loops at the immunoglobulin heavy-chain Smu class switch region.](#)
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Department of Pathology, University of Southern California Keck School of- Mol Cell Biol. 2007
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- [Recurrent disruption of the I \$\mu\$ splice donor site in t\(14;18\) positive lymphomas: a potential molecular basis for aberrant downstream class switch recombination.](#)
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Groupe d'Etude des Proliferations Lymphoïdes, Centre Henri Becquerel,- Genes Chromosomes
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- [A novel RBP-J kappa-dependent switch from C/EBP beta to C/EBP zeta at the C/EBP binding site on the C-reactive protein promoter.](#)
*Regulation of basal and cytokine (IL-6 and IL-1beta)-induced expression of...*13th July, 2007
Department of Pharmacology, James H. Quillen College of Medicine, East- J Immunol. 2007 Jun
1;178(11):7302-9.

Immunoglobulin Switch Region Patents:



- 5545806- [Ransgenic non-human animals for producing heterologous antibodies](#)
- 6323185- [Anti-viral guanosine-rich oligonucleotides and method of treating HIV](#)
- 6342219- [Antibody compositions for selectively inhibiting VEGF](#)

- 6342221- [Antibody conjugate compositions for selectively inhibiting VEGF](#)
- 6355785- [Guanosine-rich oligonucleotide integrase inhibitors](#)
- 6395515- [Directed switch-mediated DNA recombination](#)
- 6406693- [Cancer treatment methods using antibodies to aminophospholipids](#)
- 6416758- [Antibody conjugate kits for selectively inhibiting VEGF](#)
- 6455250- [Endonuclease compositions and methods of use](#)
- 6482411- [Methods of reducing bone loss with CD40 ligand](#)
- 6524583- [Antibody methods for selectively inhibiting VEGF](#)
- 6312694- [Cancer treatment methods using therapeutic conjugates that bind to aminophospholipids](#)
- 6300129- [Transgenic non-human animals for producing heterologous antibodies](#)
- 6288042- [Anti-viral guanosine-rich tetrad forming oligonucleotides](#)
- 5569825- [Transgenic non-human animals capable of producing heterologous antibodies of various isotypes](#)
- 5625126- [Transgenic non-human animals for producing heterologous antibodies](#)
- 5661016- [Transgenic non-human animals capable of producing heterologous antibodies of various isotypes](#)
- 5714352- [Directed switch-mediated DNA recombination](#)
- 5770429- [Transgenic non-human animals capable of producing heterologous antibodies](#)
- 5789650- [Transgenic non-human animals for producing heterologous antibodies](#)
- 5814318- [Transgenic non-human animals for producing heterologous antibodies](#)
- 5877397- [Transgenic non-human animals capable of producing heterologous antibodies of various isotypes](#)
- 5985615- [Directed switch-mediated DNA recombination](#)
- 6255458- [High affinity human antibodies and human antibodies against digoxin](#)
- 6676941- [Antibody conjugate formulations for selectively inhibiting VEGF](#)
- 6680209- [Human antibodies as diagnostic reagents](#)
- 7192582- [Human monoclonal antibodies to FC alpha receptor \(CD89\)](#)
- 7247301- [Human monoclonal antibodies to epidermal growth factor receptor \(EGFR\)](#)
- 7247303- [Selected antibody CDRs for binding to aminophospholipids](#)
- 7247304- [Methods of treating using anti-IL-15 antibodies](#)
- 7282568- [Human monoclonal antibodies against interleukin 8 \(IL-8\)](#)
- 7314926- [Antiproliferative activity of g-rich oligonucleotides and method of using same to bind to nucleolin](#)
- 7329405- [Human antibodies specific for interleukin 15 \(IL-15\)](#)
- 7378386- [Anti-viral treatment methods using phosphatidylethanolamine-binding peptide derivatives](#)
- 7384909- [Anti-viral treatment methods using phosphatidylethanolamine-binding peptides linked to anti-viral agents](#)
- 7387776- [Human monoclonal antibodies against CD30](#)
- 7189515- [Human antibodies as detection reagents](#)
- 7153507- [Human antibodies specific for interleukin 15 \(IL-15\)](#)
- 7135287- [Human antibodies](#)
- 6703020- [Antibody conjugate methods for selectively inhibiting VEGF](#)
- 6783760- [Combined cancer treatment methods using therapeutic conjugates that bind to aminophospholipids](#)
- 6794132- [Human antibodies](#)
- 6818213- [Cancer treatment compositions comprising therapeutic conjugates that bind to aminophospholipids](#)
- 6887468- [Antibody kits for selectively inhibiting VEGF](#)
- 6984720- [Human CTLA-4 antibodies](#)
- 7041871- [Transgenic non-human animals capable of producing heterologous antibodies](#)
- 7056509- [Antibody methods for selectively inhibiting VEGF](#)
- 7067109- [Cancer treatment kits comprising therapeutic conjugates that bind to aminophospholipids](#)
- 7084260- [High affinity human antibodies and human antibodies against human antigens](#)

- 7422738- [Combined cancer treatment methods using antibodies to aminophospholipids](#)

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