

Arthritogenic Monoclonal Antibody Cocktail – References

- M. Cantley, D. Fairlie, P. Bartold, V. Marino, P. Gupta, D. Haynes, *et al.*, Inhibiting histone deacetylase 1 suppresses both inflammation and bone loss in arthritis. *Rheumatology (Oxford)* **54**, 1713-23 (2015).
- E. Perilli, M. Cantley, V. Marino, T. Crotti, M. Smith, *et al.*, Quantifying not only bone loss, but also soft tissue swelling, in a murine inflammatory arthritis model using micro-computed tomography. *Scand J Immunol* **81**, 142-50 (2015).
- J. Su, T. Gao, T. Shi, Q. Xiang, X. Xu, *et al.*, Phenotypic changes in dorsal root ganglion and spinal cord in the collagen antibody-induced arthritis mouse model. *J Comp Neurol* **523**, 1505-28 (2015).
- E. Rossato, M. Ben, Y. Kanamaru, M. Hurtado-Nedelec, G. Hayem, *et al.*, Reversal of arthritis by human monomeric IgA through receptor mediated SHP-1 inhibitory pathway. *Arthritis Rheumatol* **67**, 1766-77 (2015).
- T. Endo, K. Ito, J. Morimoto, M. Kanayama, D. Ota, *et al.*, Syndecan-4 regulates the development of autoimmune arthritis by modulating B cell migration and germinal center formation. *Arthritis Rheumatol* **67**, 2512-22 (2015).
- C. Hansell, L. MacLellan, R. Oldham, J. Doonan, K. Chapple, *et al.*, The atypical chemokine receptor ACKR2 suppresses Th17 responses to protein autoantigens. *Immunol Cell Biol* **93**, 167-76 (2015).
- S. Atkinson, A. Nansen, P. Usher, B. Sondergaard, C. Mackay, *et al.*, Treatment with anti-C5aR mAb leads to early-onset clinical and mechanistic effects in the murine delayed-type hypersensitivity arthritis model. *Autoimmunity* **48**, 460-70 (2015).
- J. Lee, E. Hong, H. Jeong, J. Hwang, H. Kim, *et al.*, A novel histone deacetylase 6-selective inhibitor suppresses synovial inflammation and joint destruction in a collagen antibody-induced arthritis mouse model. *Int J Rheum Dis* **18**, 514-23 (2015).
- F. Tseng, W. Chia, C. Wang, J. Shyu, G. Gou, *et al.*, Carbon Monoxide Inhibits Receptor Activator of NF- κ B (RANKL)-Induced Osteoclastogenesis. *Cell Physiol Biochem* **36**, 1250-8 (2015).
- D. Kim, D. Lee, M. Jo, D. Son, M. Park, *et al.*, Exacerbation of Collagen Antibody-Induced Arthritis in Transgenic Mice Overexpressing Peroxiredoxin 6. *Arthritis Rheumatol* **67**, 3058-69 (2015).
- M. Donoviel, N. Hait, S. Ramachandran, M. Maceyka, K. Takabe, *et al.*, Spinster 2, a sphingosine-1-phosphate transporter, plays a critical role in inflammatory and autoimmune diseases. *FASEB J* **29**, 5018-28 (2015).
- T. Okano, T. Koike, M. Tada, Y. Sugioka, K. Mamoto, *et al.*, Hyperleptinemia suppresses aggravation of arthritis of collagen-antibody-induced arthritis in mice. *J Orthop Sci* **20**, 1106-13 (2015).

N. Gully, R. Bright, V. Marino, C. Marchant, M. Cantley, *et al.*, Porphyromonas gingivalis peptidylarginine deiminase, a key contributor in the pathogenesis of experimental periodontal disease and experimental arthritis. *PLoS One* **9**, e100838 (2014).

M. Drutskaya, G. Efimov, R. Zvartsev, A. Chashchina, D. Chudakov, *et al.*, Experimental models of arthritis in which pathogenesis is dependent on TNF expression. *Biochemistry (Mosc)* **79**, 1349-57 (2014).

M. Ebbesen, K. Bienk, B. Deleuran, K. Howard, Extended blood circulation and joint accumulation of a p(HPMA-co-AzMA)-based nanoconjugate in a murine model of rheumatoid arthritis. *Mol Cell Ther* **2**, 9 (2014).

N. Agalave, M. Larsson, S. Abdelmoaty, J. Su, A. Baharpoor, *et al.*, Spinal HMGB1 induces TLR4-mediated long-lasting hypersensitivity and glial activation and regulates pain-like behavior in experimental arthritis. *Pain* **155**, 1802-13 (2014).

Y. Sun, P. Caplazi, J. Zhang, A. Mazloom, S. Kummerfeld, *et al.*, PILRa Negatively Regulates Mouse Inflammatory Arthritis. *J Immunol* **193**, 860-70 (2014).

S. Kon, Y. Nakayama, N. Matsumoto, K. Ito, M. Kanayama, *et al.*, A Novel Cryptic Binding Motif, LRSKSRSFQVSDEQY, in the C-Terminal Fragment of MMP-3/7-Cleaved Osteopontin as a Novel Ligand for a9 β 1 Integrin Is Involved in the Anti-Type II Collagen Antibody-Induced Arthritis. *PLoS One* **9**, e116210 (2014).

I. Campbell, S. Miescher, D. Branch, P. Mott, A. Lazarus, *et al.*, Therapeutic effect of IVIG on inflammatory arthritis in mice is dependent on the Fc portion and independent of sialylation or basophils. *J Immunol* **192**, 5031-8 (2014).

A. Abd-Allah, S. Ahmad, I. Alrashidi, H. Abdel-Hamied, K. Zoheir, *et al.*, Involvement of histamine 4 receptor in the pathogenesis and progression of rheumatoid arthritis. *Int Immunopharmacol* **26**, 325-40 (2014).

R. Zhao, N. Chen, X. Zhou, P. Miao, C. Hu, *et al.*, Exogenous IFN-beta regulates the RANKL-c-FosIFN-beta signaling pathway in the collagen antibody-induced arthritis model. *J Transl Med* **12**, 330 (2014).

S. Funato, A. Matsunaga, K. Oh, Y. Miyamoto, K. Yoshimura, *et al.*, Effects of antibody to receptor activator of nuclear factor κ -B ligand on inflammation and cartilage degradation in collagen antibody-induced arthritis in mice. *J Negat Results Biomed* **13**, 18 (2014).

H. Zhou, H. Yan, H. Pan, K. Hou, A. Akk, *et al.*, Peptide-siRNA nanocomplexes targeting NF- κ B subunit p65 suppress nascent experimental arthritis.. *J Clin Invest* **124**, 4363-74 (2014).

G. Mehta, V. Ferreira, C. Skerka, P. Zipfel, N. Banda, New insights into disease-specific absence of complement factor H related protein C in mouse models of spontaneous autoimmune diseases. *Mol Immunol* **62**, 235-48 (2014).



Enabling Arthritis and Inflammation Research Worldwide

R. Zhao, N. Chen, X. Zhou, P. Miao, C. Hu, *et al.*, Exogenous IFN-beta regulates the RANKL-c-Fos-IFN-beta signaling pathway in the collagen antibody-induced arthritis model. *J Transl Med* **12**, 330 (2014).

B. Crielaard, C. Rijcken, L. Quan, d. van, I. Altintas, *et al.*, Glucocorticoid-loaded core-cross-linked polymeric micelles with tailorabile release kinetics for targeted therapy of rheumatoid arthritis. *Angew Chem Int Ed Engl* **51**, 7254-8 (2012).

D. Xu, Y. Kim, J. Postelnek, M. Vu, D. Hu, *et al.*, RN486, a selective Bruton's tyrosine kinase inhibitor, abrogates immune hypersensitivity responses and arthritis in rodents. *J Pharmacol Exp Ther* **341**, 90-103 (2012).

T. Chiba, Y. Matsuzaka, T. Warita, T. Sugoh, K. Miyashita, *et al.*, NFKBIL1 Confers Resistance to Experimental Autoimmune Arthritis Through the Regulation of Dendritic Cell Functions. *Scand J Immunol* **73**, 478-85 (2011).

V. Willis, A. Gizinski, N. Banda, C. Causey, B. Knuckley, *et al.*, N- α -benzoyl-N5-(2-chloro-1-iminoethyl)-L-ornithine amide, a protein arginine deiminase inhibitor, reduces the severity of murine collagen-induced arthritis. *J Immunol* **186**, 4396-404 (2011).

J. Song, I. Hwang, K. Cho, M. Garcia, A. Kim, *et al.*, Plasma carboxypeptidase B downregulates inflammatory responses in autoimmune arthritis. *J Clin Invest* **121**, 3517-27 (2011).

J. Kong, S. Yoo, H. Kim, H. Kim, K. Yea, *et al.*, Inhibition of Synovial Hyperplasia, Rheumatoid T Cell Activation, and Experimental Arthritis in Mice by Sulforaphane, a Naturally Occurring Isthiocyanate. *Arthritis Rheum* **62**, 159-70 (2010).

D. Auci, K. Mangano, D. Destiche, S. White, Y. Huang, *et al.*, Oral treatment with HE3286 ameliorates disease in rodent models of rheumatoid arthritis. *Int J Mol Med* **25**, 625-33 (2010).

J. Minaguchi, T. Oohashi, K. Inagawa, A. Ohtsuka, Y. Ninomiya, Transvascular accumulation of Sialyl Lewis X conjugated liposome in inflamed joints of collagen antibody-induced arthritic (CAIA) mice. *Arch Histol Cytol* **71**, 195-203 (2008).