

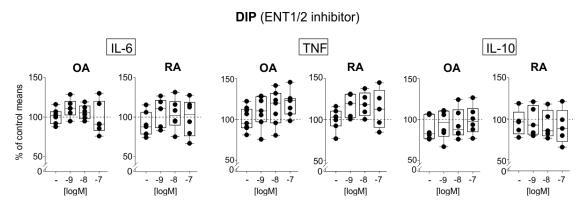


Supplementary material to the Article

Anti-Inflammatory Effects of Endogenously Released Adenosine in Synovial Cells of Osteoarthritis and Rheumatoid Arthritis Patients

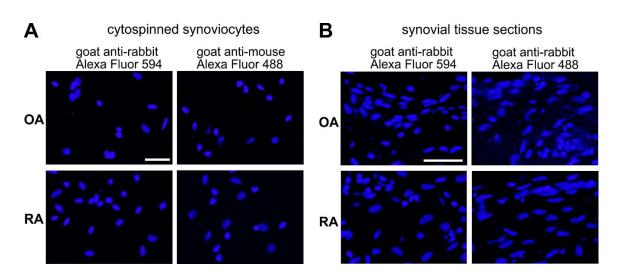
Rebecca Sohn ^{1§}, Marius Junker ^{1§}, Andrea Meurer ¹, Frank Zaucke ¹, Rainer H. Straub ^{2‡}, Zsuzsa Jenei-Lanzl ^{1*‡}

- ² Laboratory of Experimental Rheumatology and Neuroendocrine Immunology, Department of Internal Medicine, University Hospital Regensburg, 93053 Regensburg, Germanyrainer.straub@ukr.de (R.H.S)
- § Contributed equally as first author
- * Contributed equally as senior author
- * Correspondence: zsuzsa.jenei-lanzl@kgu.de (Z.J-L.), Tel.: +49-69-6301-94-408



Supplementary Figure S1. Effect of ENT1/2 inhibiton. ENT1/2 inhibition in OA and RA mixed synoviocyte cultures using DIP (10⁻⁷ M to 10⁻⁹ M). Data are represented as box plots (as explained in the legend of Figure 1)(n=5-6). Values are expressed as percent of untreated control (untreated control is represented as "-"; the mean of untreated control is represented as dashed line = 100%).

¹ Dr. Rolf M. Schwiete Research Unit for Osteoarthritis, Department of Orthopedics (Friedrichsheim), University Hospital Frankfurt, Goethe University, 60528 Frankfurt / Main, Germany; rebecca.sohn@kgu.de (R.S.), marius.junker@kgu.de (M.J.), andrea.meurer@kgu.de (A.M.), frank.zaucke@kgu.de (F.Z.), zsuzsa.jenei-lanzl@kgu.de (Z.J-L.)



Supplementary Figure S2. Negative controls (without primary but with secondary antibodies) for the immunostainings of (A) cytospinned synoviocytes (bar: 25 µm) and (B) synovial tissue sections (bar: 50 µm) represented in Fig.1, Fig.2, and Fig.3 (goat anti-rabbit Alexa Fluor 594 for CD39, ENT1, ENT2, all ARs; goat antimouse Alexa Fluor 488 for CD73; goat anti-rabbit Alexa Fluor 488 for ADA). Cell nuclei were counterstained with DAPI (blue).

Abbreviations: OA - osteoarathritis,; RA - rheumatoid arthritis.