

## In vivo efficacy

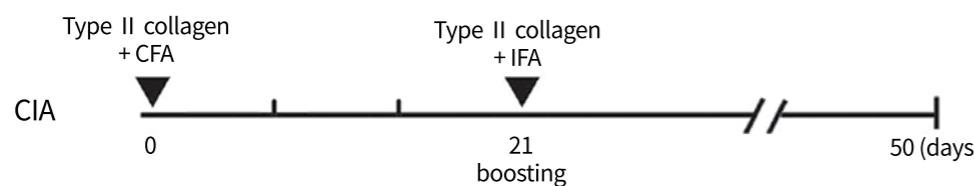
# Collagen induced arthritis (CIA)

Rheumatoid arthritis

Collagen induced arthritis (CIA) model is the most commonly studied autoimmune model of rheumatoid arthritis. CIA model is induced by immunization with an emulsion of complete Freund's adjuvant (CFA) and type II collagen.

\*Species: DBA/1J

### ▪ Service process

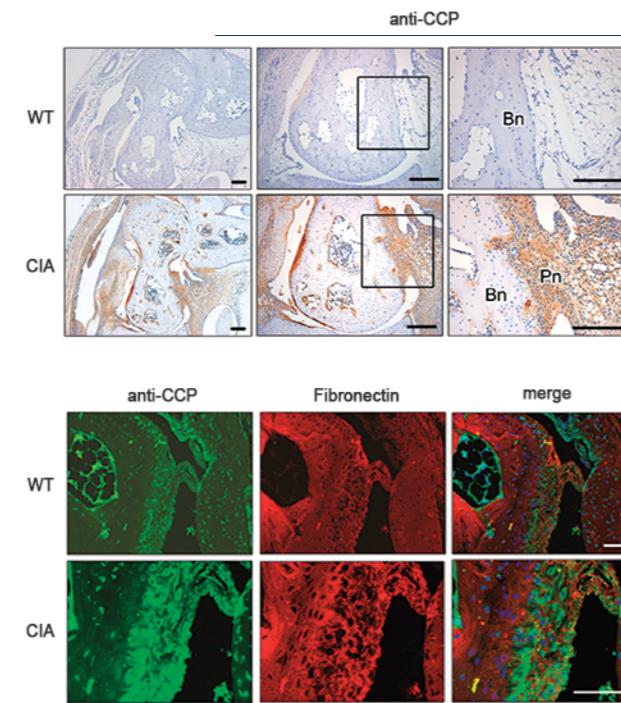
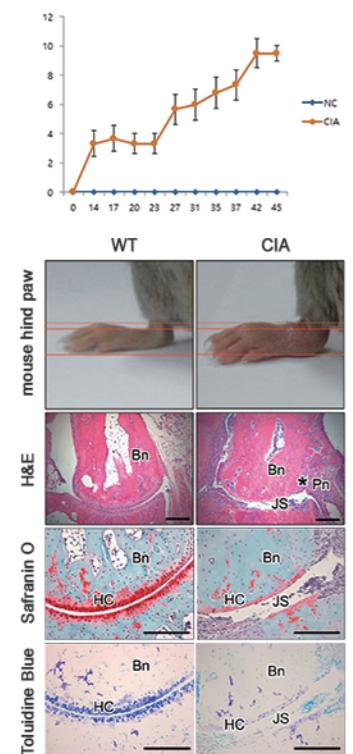


### ▪ Animal model analysis

- Clinical score of arthritis assessment
- Body weight measurement

### ▪ Tissue analysis

- Evaluation of ankle and paw joint swelling
- Immunohistochemical evaluation
- Assessment of major immune factors
- Flow cytometric analysis of the inflammatory cells
- Inflammatory cytokine analysis



"Clin Transl Immunology. 2015 Nov 27;4(11):e51. doi: 10.1038/cti.2015.24."

## In vivo efficacy

# Collagen antibody induced arthritis (CAIA)

Rheumatoid arthritis

Collagen antibody induced arthritis (CAIA) is a simple model of rheumatoid arthritis that uses monoclonal antibodies (mAbs) against type II collagen. CAIA includes rapid disease onset, high uptake rate, synchronicity, and the capacity to use genetically modified mice. CAIA takes 1-2 weeks to be completed.

\*Species: DBA/1J, BALB/C, C57BL/6 (6-8 weeks old)

### ▪ Service process

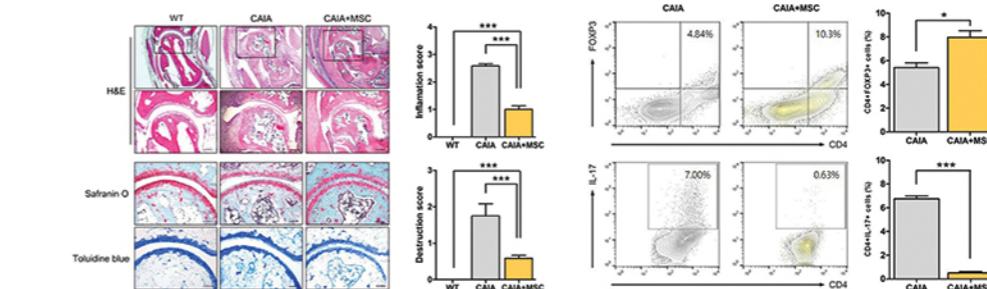
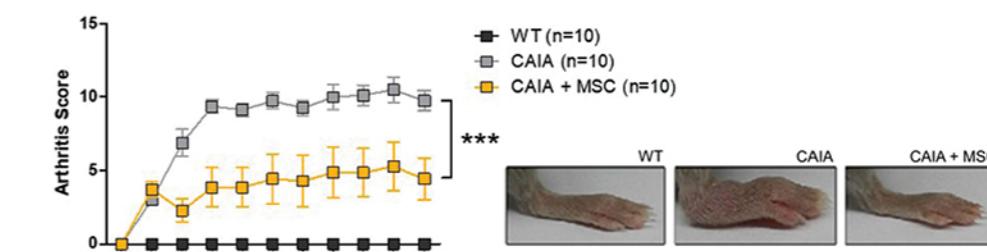


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"PLoS One. 2018 Jun 7;13(6):e0198740. doi: 10.1371/journal.pone.0198740. eCollection 2018."