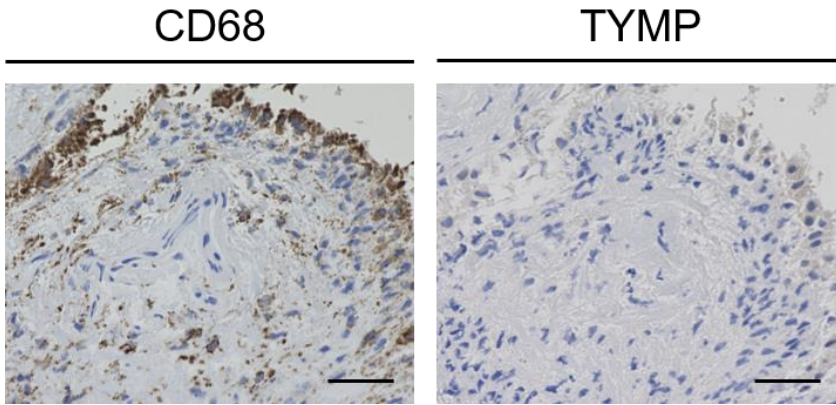


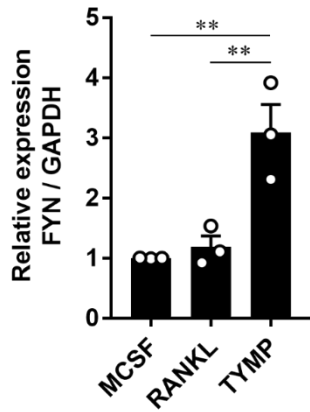
Supplementary material

Supplementary Table. Primers used in this study for qRT-PCR.

Target	Forward	Reverse
hFYN	TCATGATCTGCGCTTCCTCAA	TGGGCAGTTTGGGGAAGTATG
mTYMP	TGCACGCGGTGATAGATGG	AGCATGGCCCAATTTGTGT
mTNFα	AGCCGATGGGTTGTACCTT	ATAGCAAATCGGCTGACG
mIL-7	TGCCCCGAATAATGAACCAAACCT	TGCGAGCAGCACGATTTAGA
mIL-23	TAATGTGCCCCGTATCCAGTG	GGCTGTTGTCCTTGAGTCCT
mCTSK	CAGAAGCAGTATAACAGCAAGGT	CCCAAATTAACGCCGAGAGA
mNGF	CATCCACCCACCCAGTCTTC	CCAACCCACACACTGACACT
mTNFSF13	GCAGTACTCACCCAGAAGCA	TGTAACTGGAACAAGATGCAGG
mBAFF	GTGGTGAGGCAAACAGGCTA	GCAAAGATGGGGTCCGTGTA
mTNFSF14	TTGTGGTGGATGGACAGACG	GTCTCCGGTGGTTCTGTTCC
mTNFSF15	CACATTCCGAGGGACCACAT	AGTCTGGCTTGTTTGGTCGT



Supplementary FIGURE1 Representative images for immunohistochemistry staining of synovial tissues from primary TJA patient. Formalin-fixed tissues were stained by specific antibody to CD68 and TYMP. Very weak signals for TYMP were detected in tissues. Scale bars are 50 μ m.



Supplementary FIGURE2 Expression of FYN in macrophages stimulated with cytokines for 3h as analyzed by qRT-PCR. Results represent the means \pm SEM for three samples and significant difference was determined by the One-way ANOVA, followed by Tukey's multiple-comparison procedure.



Supplementary FIGURE3 Protein expression of TYMP in macrophages after specific TYMP siRNA treatment. Human macrophages were analyzed by Western blot analysis after 24 h treatment by siRNA for detection of TYMP and GAPDH. Image representative of knockdown of TYMP by siRNA.