Supplementary Information

Macrophages promote a profibrotic phenotype in orbital fibroblasts through increased

hyaluronic acid production and cell contractility

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Cell strain	Age	Gender	Surgical procedure	GO duration (months)	CAS score
HO1	71	F	Orbital decompression	15	6
HO2	60	М	Orbital decompression	8	5
HO4	49	F	Orbital decompression	7	6
HO6	58	F	Orbital decompression	9	5
CO4	49	М	Evisceration	n/a	n/a
CO5	80	М	Canthoplasty	n/a	n/a
CO6	56	F	Fat prolapse excision	n/a	n/a
CO7	33	М	Lacrimal gland exploration	n/a	n/a

Supplementary Table S1. Demographic data of tissue source for orbital fibroblasts. HOs were derived from patients with active GO undergoing orbital decompression surgery; COs were from control individuals undergoing orbital surgery unrelated to GO.





Supplementary Figure S1. Full-length Western blots of Figure 3B. Top panel was probed with α SMA, and bottom panel was probed with GAPDH. For semi-quantitative analysis, α SMA signals were normalized with GAPDH signals. Frames are the areas selected for representative images in Figure 3B. A loading control (ref HO2) was used for quantitative comparison between different blots.



Supplementary Figure S2. Full-length Western blots of Figure 3C. Top panel was probed with α SMA, and bottom panel was probed with GAPDH. For semi-quantitative analysis, α SMA signals were normalized with GAPDH signals. Frames are the areas selected for representative images in Figure 3C.