Electronic Supplementary Material (ESI) for Biomaterials Science.

Immunogenicity Assessment for Swim Bladder-derived Biomaterials

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3-day blood routine examination n=4

	White blood cell	Monocyte	Lymphocyte	Neutrophil (high)	Monocyte %	Lymphocyte %	Neutrophil % (high)
Sham	/	/	/	1/4	/	/	/
Bladder-GA	/	/	/	2/4	/	/	/
Bladder-UN	/	/	/	1/4	/	/	/
Bovine-GA	/	/	/	/	/	/	1/4
BSA-CFA	/	/	/	/	/	/	/

7-day blood routine examination n=6

	White blood cell (high)	Monocyte	Lymphocyte (high)	Neutrophil (high)	Monocyte %	Lymphocyte % (high)	Neutrophil %
Sham	1/6	/	/	/	/	/	/
Bladder-GA	3/6	/	1/6	2/6	/	/	/
Bladder-UN	/	/	/	/	/	3/6	/
Bovine-GA	/	/	/	1/6	/	/	/
BSA-CFA	/	/	/	/	/	/	/

30-day blood routine examination n=6

	White blood cell (high)	Monocyte	Lymphocyte (high)	Neutrophil (high)	Monocyte %	Lymphocyte %	Neutrophil % (high)
Sham	1/6	/	/	1/3	/	/	/
Bladder-GA	/	/	/	/	/	/	/
Bladder-UN	2/6	/	/	/	/	/	/
Bovine-GA	1/6	/	/	1/6	/	/	1/6
BSA-CFA	4/6	/	1/6	6/6	/	/	/

Fig. S1 Blood routine results after 3, 7 and 30 days of subcutaneous implantation in mice

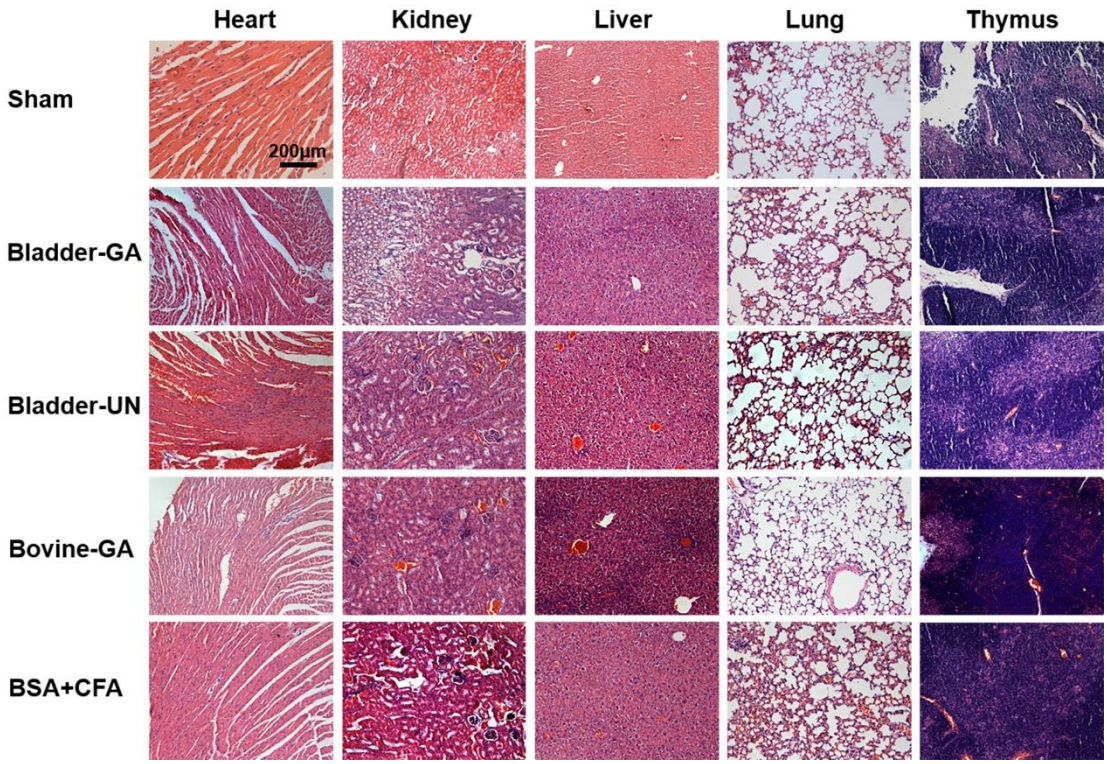

Fig. S2 The histopathology of heart, liver, lung, and thymus explanted from mice after 30 days of implantation, scale bar is 200 μm.

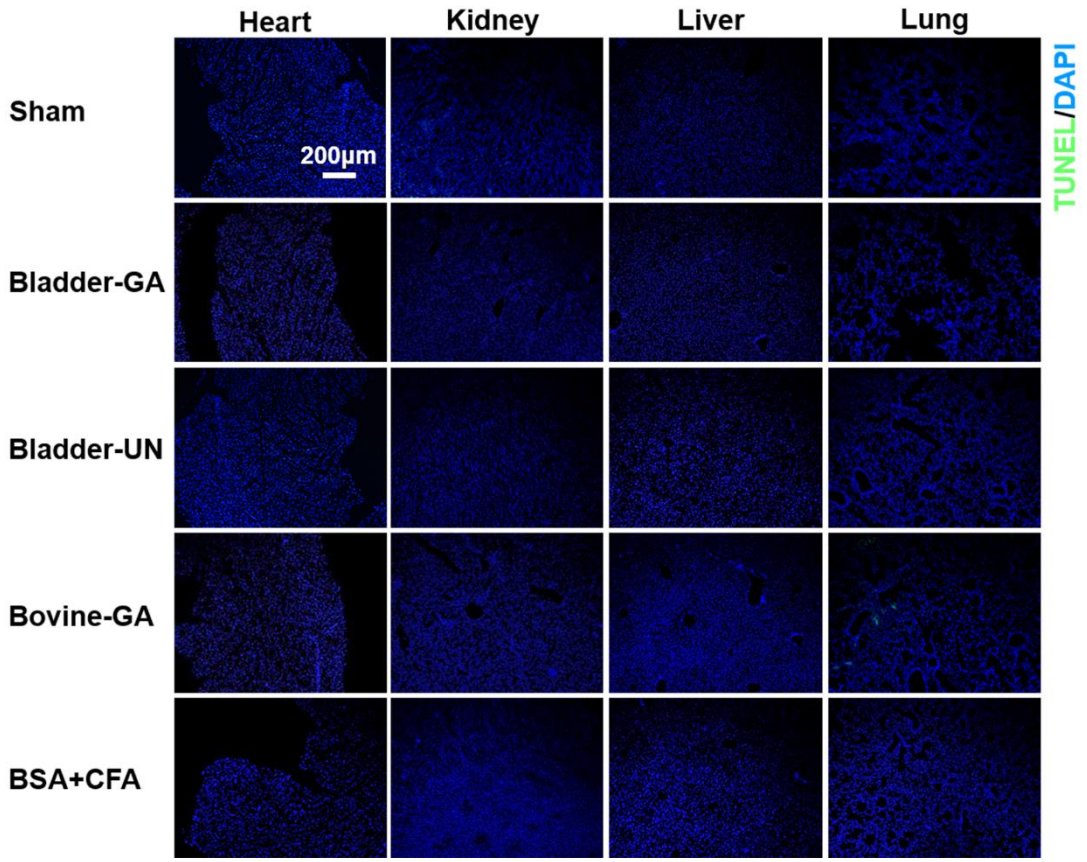

Fig. S3 These images showed the apoptosis of heart, liver, lung, and thymus explanted from mice after 30 days of implantation (TUNEL, green and DAPI, blue), scale bar is 200 μm.