

## *Supplementary Material*

**Supplementary Table 2:** Surface marker expression of bursa-derived cells compared to the literature

Marker classification	Antigen	Fluorochrome	% positive cells	
			Bursa-derived cells	Bursa stem cells from literature
Mesenchymal progenitor markers	CD29	PE	99.3 (97.9-100)	
	CD44	PE-Cy7	98.7 (96.2-100)	70-95 <sup>2</sup> ; 90 <sup>3</sup>
	CD73	APC	95.3 (85.8-100)	97.5 <sup>1</sup> ; 90 <sup>3</sup>
	CD90	PerCP-Cy5.5	90.7 (70.2-100)	95.2 <sup>1</sup> ; 81 <sup>2</sup> ; 100 <sup>3</sup>
	CD105	FITC	99.7 (99.1-100)	98.1 <sup>1</sup> ; 12.8 <sup>2</sup> ; 95 <sup>3</sup>
Hematopoietic markers	CD11b	V450	1.7 (0.8-3.3)	
	CD14	PC-Cy7	1.5 (0.7-2.7)	
	CD19	PE	0.2 (0-0.6)	
	CD34	FITC	5.5 (1.2-9.3)	7.7 <sup>1</sup> ; 0 <sup>2</sup>
	CD45	PerCP	1.2 (0.1-0.5)	0 <sup>2,3</sup>

1) (Steinert et al. 2015); 2) (Utsunomiya et al. 2013); 3) (Morikawa et al. 2020)

### References:

- Morikawa, D., L. N. Muench, J. B. Baldino, C. Kia, J. Johnson, A. Otto, L. Pauzenberger, F. Dynna, M. B. R. McCarthy, and A. D. Mazzocca. 2020. 'Comparison of Preparation Techniques for Isolating Subacromial Bursa-Derived Cells as a Potential Augment for Rotator Cuff Repair', *Arthroscopy*, 36: 80-85.
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- Utsunomiya, H., S. Uchida, I. Sekiya, A. Sakai, K. Moridera, and T. Nakamura. 2013. 'Isolation and characterization of human mesenchymal stem cells derived from shoulder tissues involved in rotator cuff tears', *Am J Sports Med*, 41: 657-68.