

**Table S1** Antibodies used for MSC immunophenotyping

Target	Isotype	Fluorochrome	Clone number	Purpose
CD90	IgG1 $\kappa$	FITC	5E10	Positive selection
CD105	IgG1 $\kappa$	PerCP-Cy5.5	266	Positive selection
CD73	IgG1 $\kappa$	APC	AD2	Positive selection
CD34	IgG2a $\kappa$	PE	581	Exclusion marker
CD11b	IgG2a $\kappa$	PE	ICRF44	Exclusion marker
CD19	IgG2a $\kappa$	PE	HIB19	Exclusion marker
CD45	IgG2a $\kappa$	PE	HI30	Exclusion marker
HLA-DR	IgG2a $\kappa$	PE	G46-6	Exclusion marker

All the antibodies were supplied in the Stemflow hMSC Analysis Kit (Becton Dickinson Pharmingen, Sparks, MD, USA), including the compensation controls and isotype controls. Irrelevant antibodies were used as isotype controls and for the compensation of the cytometer. These antibodies were provided by the Stemflow hMSC Analysis Kit. MSC, mesenchymal stem cell; HLA, human leukocyte antigen; hMSC, human mesenchymal stem cell.