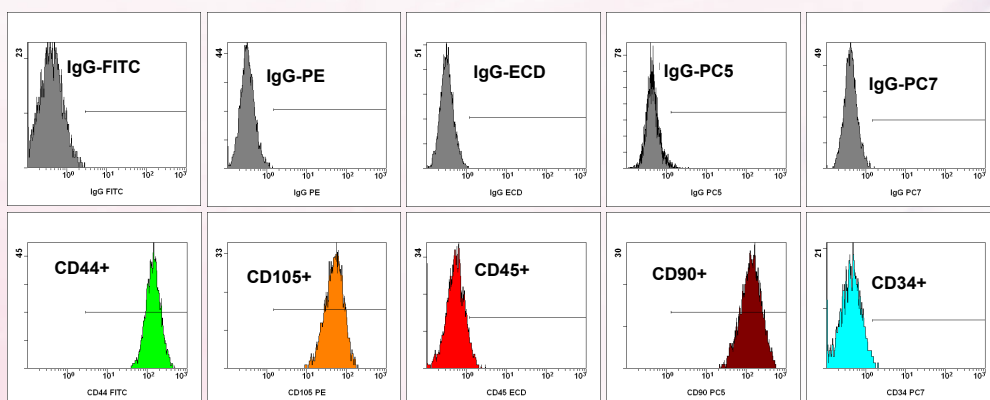


Antibodies for Human

Mesenchymal Progenitor Cell Characterization

Mesenchymal progenitor cells (MSC) can be isolated from a variety of tissues (bone marrow, adipose tissue, placenta, etc.) and may have a considerable therapeutic potential. MSCs are characterized by their ability to adhere to plastic surfaces and to differentiate into various cell types *in vitro*, but also by a distinct expression pattern of surface markers.



Despite apparent heterogeneity, a consensus has been reached that bone marrow-derived MSCs are negative for CD45 and CD34, but do express a variety of surface markers, including CD9, CD10, CD13, CD29, CD44, CD90, and CD105.

MSCs from other sources may have a different expression profile.

Various CD markers that are used for positive and negative identification of human mesenchymal progenitor cells.

Markers	FITC	PE	ECD	PC5	PC5.5	PC7	APC	APC-A700	APC-A750	PacBlue	Krome Orange
CD9	IM1755U								B13649	B09979	
CD10	A07759	A07760	IM3608U	A07761	B16490	A46527	IM3633	A86353	A89310		
CD13	IM0778U	A07762	B36286	A07763	A79389	A46528	A87783				
CD14	B36297	A07764	IM2707U	A07765	A70204	A22331	IM2580	A99020	A86052	B00846	B01175
CD29	IM0791U										
CD31	IM1431U	IM2409								B13035	
CD34	IM1870	A07776	IM2709U	A07777		A51077	IM2472	A86354	A89309		
CD44	IM1219U	A32537							B30637	B37789	
CD45	A07782	A07783	A07784	A07785	A62835	IM3548	IM2473	A79390	A79392	A74763	B36294
CD90	IM1839U	IM1840U		IM3703					B36121	B30649	
CD105		A07414				B43293					
CD106		A66085									
CD109		A08933									
CD117		IM2732	B38307	IM2733	A66333	IM3698	B36300		A86051		
CD146		A07483		A22364							
CD166		A22361									
CD184		A07409									
HLA-DR	IM1638U	IM1639	IM3636	A07793	B20024	A40579	IM3635		B42021	B36291	B00070

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