

**Table 1. Cell types and their markers during early and late murine lung development, as identified in selected scRNA-seq datasets.**

Mouse strain	Cell source	Cell type	Identifying markers	Embryonic day (E)											Postnatal day (P)											Ref.
				E9/9.5	E10.5	E11.5	E12.5	E13.5	E14.5	E15.5	E16.5	E17.5	E18.5	E19.5	P0	P1	P2	P3	P6	P7	P14	P15	P21			
C57BL/6J	Embryonic foregut-endoderm	Trachea	Nkx2-1*/Sox2*																					(19)		
		Lung	Nkx2-1*/Sox2*																							
		Respiratory	Foxf1, Osr1, Nkx2-1, Tbx2																							
C57BL/6J	Whole lung	Epithelial cells	Epcam, Cldn6, Cldn7, Cdh1, Krt8, Krt18, Krt17,																					(14)		
		Mesoderm-derived cells	Col3a1, Vim, Col1a1, Col1a2, Fn1																							
		Hematopoietic cells	Gata1, Tal1, Runx1, Klf1																							
C57BL/6	Whole lung	Lung epithelium	Nkx2-1																				(8)			
C57BL/6	Whole lung	NK	Gzma				N/A				2% of CD45+			1% of CD45+	1% of CD45+	2% of CD45+	2% of CD45+					2% of CD45+		(10)		
		ILC	Rora				3% of CD45+				3% of CD45+			1% of CD45+	< 1% of CD45+	1% of CD45+	1% of CD45+					3% of CD45+				
		T cells	Trbc2				N/A				< 1% of CD45+			1% of CD45+	1% of CD45+	2% of CD45+	3% of CD45+					22% of CD45+				
		B cells	Cd79b				N/A				N/A			4% of CD45+	2% of CD45+	6% of CD45+	9% of CD45+					8% of CD45+				
		DC	Flt3				18% of CD45+				4% of CD45+			2% of CD45	1% of CD45+	2% of CD45+	3% of CD45+					4% of CD45				
		Mast cells	Mcpt4, Gata2				11% of CD45+				2% of CD45+			N/A	N/A	N/A	N/A					< 1% of CD45+				
		Basophils	Mcpt8				1% of CD45+				4% of CD45+			N/A	N/A	< 1% of CD45+	1% of CD45+					1% of CD45+				
		Neutrophils	S100a8, Csf3r				5% of CD45+				6% of CD45+			18% of CD45+	37% of CD45+	14% of CD45+	36% of CD45+					8% of CD45+				
		Monocyte	Ccr2, F13a1, Fcgr4, Csf1r				10% of CD45+				58% of CD45+			20% of CD45+	10% of CD45+	11% of CD45+	16% of CD45+					36% of CD45+				
		Macrophage I	Cx3cr1				52% of CD45+				3% of CD45+			N/A	N/A	N/A	< 1% of CD45+					N/A				
		Macrophage II	Ear2				N/A				12% of CD45+			42% of CD45+	36% of CD45+	30% of CD45+	12% of CD45+					2% of CD45+				
		Macrophage III	Ccl6, Cd9				N/A				N/A			4% of CD45	5% of CD45+	10% of CD45+	10% of CD45+					8% of CD45+				
		Ciliated	Ccdc19, Foxj1				N/A				N/A			< 1% of CD45	N/A	N/A	N/A					N/A				
		Club	Scgb3a2				N/A				4% of CD45			1% of CD45	N/A	N/A	2% of CD45					< 1% of CD45				
		AT1	Clic5				N/A				N/A			22% of CD45	21% of CD45	16% of CD45	22% of CD45					7% of CD45				
		AT2	Sftpc				N/A				N/A			18% of CD45	15% of CD45	10% of CD45	16% of CD45					16% of CD45				
		Epithelium progenitor	Epcam				10% of CD45				29% of CD45			1% of CD45	N/A	N/A	N/A					N/A				
		Pericyte	Gucy1a3				< 1% of CD45				1% of CD45			1% of CD45	< 1% of CD45	< 1% of CD45	< 1% of CD45					1% of CD45				
		Matrix fibroblast	Mfap4				N/A				12% of CD45			6% of CD45	6% of CD45	16% of CD45	12% of CD45					7% of CD45				
		Smooth muscle fibroblast	Tgfb1				N/A				N/A			8% of CD45	8% of CD45	11% of CD45	5% of CD45					12% of CD45				
Fibroblast progenitor	Col1a2				82% of CD45				20% of CD45			2% of CD45	2% of CD45	2% of CD45	3% of CD45					4% of CD45						
Endothelium	Cdh5				4% of CD45				28% of CD45			34% of CD45	40% of CD45	38% of CD45	34% of CD45					48% of CD45						
C57BL/6	Whole lung	Plexus cells	Mki67, Top2a, Aplinr																					(10, 16)		
		aCap	Car4, Ednrb, Aplin, Tbx2, Tbx3																							
		gCap	Cd74, Cxcl12, Plvap, Cemp2																							

[illegible]



Data are from LungGENS	N/A	Mesenchymal cells	Col1a1																	(18)
		AT1 cells	Aqp5, Hopx																	
		Alveolar myofibroblasts	Acta2 <sup>high</sup> , Pdgfra, Fgf18																	
		Matrix fibroblasts	Tcf21, Fgf10																	
Pdgfra-GFP; C57BL/6 background	PDGFRA <sup>+</sup> cells only	Pdgfra-high	Acta2, Tagln														43.70% of Pdgfra <sup>+</sup>	40.11% of Pdgfra <sup>+</sup>		(28)
		Pdgfra-low (incl. lipofibroblasts)	Fgf10, Wnt2, some also Plin2														41.52% of Pdgfra <sup>+</sup>	12.97% of Pdgfra <sup>+</sup>		
		Proliferative cells	Cks2, Top2a														6.02% of Pdgfra <sup>+</sup>	N/A		
		Airways Smooth Muscle cells	Lgr6														5.71% of Pdgfra <sup>+</sup>	37.93% of Pdgfra <sup>+</sup>		
		Matrix producing cells	Dcn, Col1a1, Col3a1, Col14a1														3.06% of Pdgfra <sup>+</sup>	9.00% of Pdgfra <sup>+</sup>		

*AT1*, alveolar type 2 cell; *AT2*, alveolar type 2 cell; *DC*, dendritic cell; *EC*, endothelial cell; *FB*, fibroblast; *ILC*, innate lymphoid cell ; *Lym*, lymphatic; *N/A*, non-applicable; *NK*, natural killer cells ; *SMC*, smooth muscle cell; *Vas*, vascular.