**LungMAP\_Human\_Cell\_Types\_v1.7 2019-05-13**

**This version captures cells for lung development starting ~36 weeks of human fetal gestation and continuing after birth with some variation in when the alveolar stage commences and when it is complete**

LMHA\_00521 ┣ autonomic neuron

LMHA\_00692 ┣ blood cell

LMHA\_00622 ┃ ┣ erythrocyte

LMHA\_00179 ┃ ┣ granulocyte

LMHA\_00090 ┃ ┃ ┣ basophil (syn: basophilic leukocyte; basophilic granulocyte)

LMHA\_00163 ┃ ┃ ┣ eosinophil

LMHA\_00256 ┃ ┃ ┣ neutrophil

LMHA\_00816 ┃ ┣ peripheral blood lymphocyte

LMHA\_00233 ┃ ┣ monocyte

LMHA\_00136 ┣ connective tissue cell

LMHA\_00685 ┃ ┣ reticular cell

LMHA\_00356 ┃ ┣ telocyte

LMHA\_00386 ┃ ┣ unclassified fibroblast

**LMHA\_00161 ┣ endothelial cell**

LMHA\_00804 ┃ ┣ arterial endothelial cell

LMHA\_00216 ┃ ┣ lymphatic endothelial cell

LMHA\_00260 ┃ ┣ nonspecific endothelial cell

LMHA\_00392 ┃ ┣ vascular endothelial cell

LMHA\_00805 ┃ ┣ venous endothelial cell

**LMHA\_00164 ┣ epithelial cell**

LMHA\_00586 ┃ ┣ alveolar epithelial cell

LMHA\_00379 ┃ ┃ ┣ type I pneumocyte

LMHA\_00381 ┃ ┃ ┣ type II pneumocyte

LMHA\_00384 ┃ ┃ ┣ unclassified epithelial cell

LMHA\_00591 ┃ ┣ bronchial epithelial cell

LMHA\_00087 ┃ ┃ ┣ basal cell

LMHA\_00142 ┃ ┃ ┣ ciliated cell

LMHA\_00143 ┃ ┃ ┣ club cell

LMHA\_00524 ┃ ┃ ┣ intermediate airway progenitor cell

LMHA\_00238 ┃ ┃ ┣ mucus cell

LMHA\_00252 ┃ ┃ ┣ neuroendocrine cell

LMHA\_00253 ┃ ┃ ┣ neuroepithelial body

LMHA\_00252 ┃ ┃ ┃ ┣ neuroendocrine cell

LMHA\_00340 ┃ ┃ ┣ serous cell

LMHA\_00384 ┃ ┃ ┣ unclassified epithelial cell

LMHA\_00584 ┃ ┣ bronchiolar epithelial cell

LMHA\_00142 ┃ ┃ ┣ ciliated cell

LMHA\_00143 ┃ ┃ ┣ club cell

LMHA\_00252 ┃ ┃ ┣ neuroendocrine cell

LMHA\_00253 ┃ ┃ ┣ neuroepithelial body

LMHA\_00252 ┃ ┃ ┃ ┣ neuroendocrine cell

LMHA\_00384 ┃ ┃ ┣ unclassified epithelial cell

LMHA\_00630 ┃ ┣ membranous bronchiolar epithelial cell

LMHA\_00142 ┃ ┃ ┣ ciliated cell

LMHA\_00143 ┃ ┃ ┣ club cell

LMHA\_00238 ┃ ┃ ┣ mucus cell

LMHA\_00252 ┃ ┃ ┣ neuroendocrine cell

LMHA\_00253 ┃ ┃ ┣ neuroepithelial body

LMHA\_00252 ┃ ┃ ┃ ┣ neuroendocrine cell

LMHA\_00340 ┃ ┃ ┣ serous cell

LMHA\_00384 ┃ ┃ ┣ unclassified epithelial cell

LMHA\_00629 ┃ ┣ respiratory bronchiolar epithelial cell

LMHA\_00142 ┃ ┃ ┣ ciliated cell

LMHA\_00143 ┃ ┃ ┣ club cell

LMHA\_00252 ┃ ┃ ┣ neuroendocrine cell

LMHA\_00253 ┃ ┃ ┣ neuroepithelial body

LMHA\_00252 ┃ ┃ ┃ ┣ neuroendocrine cell

LMHA\_00384 ┃ ┃ ┣ unclassified epithelial cell

LMHA\_00693 ┃ ┣ submucosal gland duct epithelial cell

LMHA\_00087 ┃ ┃ ┣ basal cell

LMHA\_00142 ┃ ┃ ┣ ciliated cell

LMHA\_00146 ┃ ┃ ┣ collecting duct cell

LMHA\_00694 ┃ ┣ submucosal gland epithelial cell

LMHA\_00238 ┃ ┃ ┣ mucus cell

LMHA\_00242 ┃ ┃ ┣ myoepithelial cell

LMHA\_00340 ┃ ┃ ┣ serous cell

LMHA\_00582 ┃ ┣ terminal bronchiolar epithelial cell

LMHA\_00142 ┃ ┃ ┣ ciliated cell

LMHA\_00143 ┃ ┃ ┣ club cell

LMHA\_00238 ┃ ┃ ┣ mucus cell

LMHA\_00252 ┃ ┃ ┣ neuroendocrine cell

LMHA\_00253 ┃ ┃ ┣ neuroepithelial body

LMHA\_00252 ┃ ┃ ┃ ┣ neuroendocrine cell

LMHA\_00340 ┃ ┃ ┣ serous cell

LMHA\_00384 ┃ ┃ ┣ unclassified epithelial cell

LMHA\_00590 ┃ ┣ tracheal epithelial cell

LMHA\_00087 ┃ ┃ ┣ basal cell

LMHA\_00142 ┃ ┃ ┣ ciliated cell

LMHA\_00143 ┃ ┃ ┣ club cell

LMHA\_00524 ┃ ┃ ┣ intermediate airway progenitor cell

LMHA\_00238 ┃ ┃ ┣ mucus cell

LMHA\_00252 ┃ ┃ ┣ neuroendocrine cell

LMHA\_00340 ┃ ┃ ┣ serous cell

LMHA\_00384 ┃ ┃ ┣ unclassified epithelial cell

LMHA\_00338 ┣ glial cell

**LMHA\_00185 ┣ immune cell**

**LMHA\_00150 ┃ ┣ dendritic cell**

LMHA\_00558 ┃ ┃ ┣ Langerhans cell

**LMHA\_00614 ┃ ┣ lymphoid cell**

LMHA\_00623 ┃ ┃ ┣ innate lymphoid cell

LMHA\_00245 ┃ ┃ ┃ ┣ natural killer cell

LMHA\_00437 ┃ ┃ ┃ ┣ nuocyte

LMHA\_00223 ┃ ┃ ┣ lymphocyte

LMHA\_00086 ┃ ┃ ┃ ┣ B lymphocyte

LMHA\_00574 ┃ ┃ ┃ ┃ ┣ plasma cell

LMHA\_00354 ┃ ┃ ┃ ┣ T lymphocyte

LMHA\_00571 ┃ ┃ ┃ ┣ centroblast

LMHA\_00575 ┃ ┃ ┃ ┣ immunoblast

LMMA\_00816 ┃ ┃ ┃ ┣ peripheral blood lymphocytes

**LMHA\_00241 ┃ ┣ myeloid cell**

LMHA\_00179 ┃ ┃ ┣ granulocyte

LMHA\_00090 ┃ ┃ ┃ ┣ basophil

LMHA\_00163 ┃ ┃ ┃ ┣ eosinophil

LMHA\_00256 ┃ ┃ ┃ ┣ neutrophil

LMHA\_00182 ┃ ┃ ┣ macrophage

LMHA\_00226 ┃ ┃ ┃ ┣ alveolar macrophage

LMHA\_00213 ┃ ┃ ┃ ┣ interstitial macrophage

LMHA\_00681 ┃ ┃ ┃ ┣ lymphoid macrophage

LMHA\_00615 ┃ ┃ ┃ ┣ tingible body macrophage

LMHA\_00227 ┃ ┃ ┣ mast cell

LMHA\_00613 ┃ ┃ ┣ megakaryocyte

LMHA\_00668 ┃ ┃ ┃ ┣ platelet

LMHA\_00233 ┃ ┃ ┣ monocyte

**LMHA\_00192 ┣ interstitial cell**

LMHA\_00066 ┃ ┣ alveolar interstitial cell

LMHA\_00209 ┃ ┃ ┣ lipofibroblast

LMHA\_00007 ┃ ┃ ┣ matrix fibroblast

LMHA\_00243 ┃ ┃ ┣ myofibroblast

LMHA\_00273 ┃ ┃ ┣ pericyte

LMHA\_00598 ┃ ┃ ┣ proliferative interstitial cell

LMHA\_00356 ┃ ┃ ┣ telocyte

LMHA\_00386 ┃ ┃ ┣ unclassified fibroblast

**LMHA\_00716 ┣ mesenchymal derived cell**

LMHA\_00054 ┃ ┣ adipocyte

LMHA\_00141 ┃ ┣ chondrocyte

LMHA\_00169 ┃ ┣ fibroblast

LMHA\_00209 ┃ ┃ ┣ lipofibroblast

LMHA\_00007 ┃ ┃ ┣ matrix fibroblast

LMHA\_00243 ┃ ┃ ┣ myofibroblast

LMHA\_00607 ┃ ┃ ┣ proliferative fibroblast

LMHA\_00386 ┃ ┃ ┣ unclassified fibroblast

LMHA\_00231 ┃ ┣ mesothelial cell

LMHA\_00691 ┃ ┣ muscle cell

LMHA\_00343 ┃ ┃ ┣ smooth muscle cell

LMHA\_00378 ┃ ┣ subendothelial connective tissue cell

LMHA\_00273 ┃ ┃ ┣ pericyte

LMHA\_00356 ┃ ┃ ┣ telocyte