

Primary antibodies	Dilutions	Source	Cell target	Catalog #	Type
<b>Cardiac myocyte markers</b>					
Human Cardiac Troponin T (hcTnT)	1:200	Abcam	Human cardiomyocyte	ab91605	Rabbit monoclonal
Cardiac Troponin I (cTnI)	1:200	Abcam	Cardiomyocyte	ab47003	Rabbit polyclonal
Ventricular Myosin Light Chain 2 (MLC2v)	1:100	Abcam	Ventricular cardiomyocyte	ab92721	Rabbit monoclonal
Atrial Myosin Light Chain 2 (MLC2a)	1:100	Abcam	Atrial cardiomyocyte	ab68086	Mouse polyclonal
Connexin 43 (CX43)	1:100	Abcam	Cardiomyocyte	ab11370	Rabbit polyclonal
N-Cadherin (N-Cad)	1:100	Abcam	Cardiomyocyte	ab18203	Rabbit polyclonal
Nkx 2.5	1:100	Thermo Fisher	Cardiomyocyte	PA5-47322	Goat polyclonal

**S2 Table: Primary antibodies used in this study.** Antibodies used to characterize the hiPSC-cardiomyocyte spheroids before and after both stimulation regimens to analyze the change in expression of cardiomyocyte maturation proteins.