

Table S3. Antibodies and MICSSS staining conditions.

Target	Clone	Species & isotype	Vendor	Staining condition	2 nd Ab staining condition	HRP-SAV
Proinsulin (ProINS)	GS-9A8	Mouse (Ms) IgG1	Novo Nordisk; also available from DHSB	1:200 1h, RT	1:800 30min, RT	1:300 30min, RT
Islet amylin (IAPP)	polyclonal	Rabbit (Rb) IgG	Sigma #HPA053194	1:1000 1h, RT	1:1000 30min, RT	1:300 30min, RT
Chromogranin A (CHGA)	LK2H10+P HE5	Ms IgG1	Novus Biologicals #NBP2-342390; discontinued, available from Biocare Medical: https://biocare.net/product/chromogranin-a-antibody/	1:150 1h, RT	1:850 30min, RT	1:300 30min, RT
Glucagon (GCG)	IMD-7	Ms IgG1	Abcam #ab82270; discontinued, available from LS Bio #LS C171152	1:500, 1h, RT	1:850 30min, RT	1:300 30min, RT
Insulin (INS)	polyclonal	Guinea pig (Gp) IgG	DAKO #A0564; discontinued, now only available as ready-to- use format #IR00261-2	1:850 1h, RT	1:1000 30min, RT	1:300 30min, RT
Somatostatin (SST)	polyclonal	Rb IgG	DAKO #A0566; discontinued, alternative available from Genetex #GTX60646 (Ms IgG1; clone 7G5)	1:350 1h, RT	1:750 30min, RT	1:300 30min, RT
Pancreatic polypeptide (PPY)	polyclonal	Goat IgG	Novus #NB100-1793	1:100 1.5h, RT	1:250 30min, RT	1:300 30min, RT
Proglucagon (ProGCG)	D16G10	Rb IgG	Cell Signaling #8233	1:75 1.5h RT	1:300 30min, RT	1:300 30min, RT
CD45	2B11 + PD7/26	Ms IgG1	DAKO #M0701	1:100 2h, RT	1:250 30min RT	1:300 30min, RT

Ab, antibody; RT, room temperature; HRP-SAV, horseradish peroxidase-conjugated streptavidin