

Supplementary table 1

Antigen	Species	Clonality	Conjugation	Manufacturer	Technique	Sample stained	Dilution
Ki67	Mouse	Monoclonal (MIB-1)	-	Dako	IF, IHC	Wholemounds Primary cell clones 3D organotypic cultures	1:100
Ki67	Mouse	Monoclonal (SP6)	-	Abcam	IF	Wholemounds	1:250
PH3	Rabbit	Polyclonal	-	Millipore Upstate	IF	Wholemounds	1:250
β1-integrin	Mouse	Monoclonal (4B7R)	FITC	Santa Cruz	IF	Wholemounds	1:100
MCSP	Mouse	Monoclonal (9.2.27)	-	BD Bioscience	IF	Wholemounds	1:100
PanCK	Rabbit	Polyclonal	-	Acris Antibodies	IF, IHC	Wholemounds Primary cell clones 3D organotypic cultures	1:500
CD34	Mouse	Monoclonal (581)	-	BD Bioscience	IF	Wholemounds	1:100
CD31	Mouse	Monoclonal (CJ70A)	-	Dako	IF	Wholemounds	1:200
CD45	Mouse	Monoclonal (ZB11+PD7/26)	-	Dako	IF	Wholemounds	1:100

Chromogranin-A	Rabbit	Monoclonal (DRM015)	-	Acris Antibodies	IF	Wholemounds	1:50
F4/80	Rat	Monoclonal (A3-1)	-	Abcam	IF	Wholemounds	1:200
S-100	Rabbit	Polyclonal	-	Abcam	IF	Wholemounds	1:100
CK13	Mouse	Monoclonal	-	Novocastra	IF, IHC	Primary cell clones 3D organotypic cultures	1:200
CK8/18	Mouse	Monoclonal (5D3)	-	Vector laboratories	IF	Primary cell clones	1:100
Vimentin	Rabbit	Monoclonal (VP-RM17)	-	Vector laboratories	IF, IHC	Primary cell clones 3D organotypic cultures	1:250
EpCAM	Mouse	Monoclonal (VU1D9)	-	Cell Signalling	IHC	Normal oesophagus	1:500
β1-integrin	Mouse	Monoclonal (18/CD29)	-	BD Bioscience	IHC	3D organotypic cultures	1:100
p63	Mouse	Monoclonal (4A4)	-	Dako	IHC	3D organotypic cultures	1:100
MCM2	Mouse	Monoclonal	-	Prof.s Steve Dilworth and Ron Laskey	IHC	3D organotypic cultures	1:500
EpCAM	Mouse	Monoclonal (9C4)	PE	Biolegend	FC	Fresh primary cells	1:25

CD34	Mouse	Monoclonal (581)	FITC	Biolegend	FC	Fresh primary cells	1:500
CD31	Mouse	Monoclonal (WM59)	Biotin	Biolegend	FC	Fresh primary cells	1:500
CD45	Mouse	Monoclonal (HI30)	Biotin	BD Bioscience	FC	Fresh primary cells	1:10
